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This document lists experimental references added to Nuclear Science References (NSR) during the period January 1, 2007 to December 31, 2007. The first section lists keynumbers and keywords sorted by mass and nuclide. The second section lists all references, ordered by keynumber.

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Keynumbers and Keywords

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^{1}n	2006OB05	NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305
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	2007AL22	NUCLEAR REACTIONS ^{1,2}H(polarized e, e'), (polarized e, e'p), (polarized e, e'n), (polarized e, e'π), E=850 MeV; measured particle spectra, asymmetries. ^{1}n, ^{1}H; deduced electric and magnetic form factors. Polarized targets. JOUR ZAANE 31 588
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	2007SEZZ	RADIOACTIVITY ^{1}n(β^{-}); measured T$_{1/2}$. Gravitationally trapped ultracold neutrons. PREPRINT nucl-ex/0702009,2/6/2007
	2007TR01	NUCLEAR REACTIONS ^{1}H(^{20}Ne, ^{20}Na), E=22.3 MeV / nucleon; ^{2}H(^{20}Ne, ^{21}Na), E=22.3 MeV / nucleon; ^{1}H(^{21}Ne, ^{21}Na), E=43 MeV / nucleon; measured particle spectra, yields. JOUR NIMAE 572 580
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	2006OB05	NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305
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2007AL22	NUCLEAR REACTIONS ^{1,2}H(polarized e, e'), (polarized e, e'p), (polarized e, e'n), (polarized e, e'π), E=850 MeV; measured particle spectra, asymmetries. ^{1}n, ^{1}H; deduced electric and magnetic form factors. Polarized targets. JOUR ZAANE 31 588
2007AM03	NUCLEAR REACTIONS ^{1}H(polarized d, p), E=90 MeV / nucleon; measured cross section, vector and tensor analyzing powers, induced polarization, vector and tensor spin transfer coefficients. JOUR PRVCA 75 041001
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^{3}H	2006OB05	NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305
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	2007HU06	NUCLEAR REACTIONS ^{2}H(d, n), (d, p), E=low; measured fusion rates, screening effects for reaction in metals. JOUR NIMBE 256 599
	2007JA11	NUCLEAR REACTIONS ^{2}H(d, n), E=270 MeV; measured tensor and vector analyzing powers including angular dependence. Compared results to model calculations. JOUR ZAANE 33 39
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	2007KI02	NUCLEAR REACTIONS ^{3}H(p, n), E=1.6-3.2 MeV; measured En. ^{12}C, ^{28}Si(n, X), E=1.410, 1.479, 2.077, 2.501 MeV; measured total σ. JOUR JRNCD 271 541
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	2007LY01	NUCLEAR REACTIONS ^{4}He(polarized γ, p), (polarized γ, n), E=40, 60, 80 MeV; measured $\sigma(\theta)$, azimuthal asymmetry; deduced multipole strengths, meson exchange current contributions. JOUR NUPAB 781 306
	2007ME11	NUCLEAR REACTIONS ^{1}H(d, X)^{3}He, E not given; measured σ and asymmetry factor for η production. Searched for η^{3}He quasibound state. JOUR PRLTA 98 242301
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	2007NI03	NUCLEAR REACTIONS ^{4}He(γ, n), E=23-70 MeV; measured $\sigma(\theta)$; deduced transition coefficients, angle-integrated σ. Tagged photons. JOUR PRVCA 75 014007
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^{4}n	2007FOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, α), (^{8}He, ^{6}Li), E=15.3 MeV / nucleon; measured charged particle energies and yields. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P3

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^{4}He	2006AN37	NUCLEAR REACTIONS ^{4}He(π^{+}, π^{+}), (π^{+}, π^{+}'), (π^{+}, π^{+}n), (π^{+}, π^{0}p), (π^{-}, π^{-}), (π^{-}, π^{-}'), (π^{-}, π^{-}n), E at 218 MeV / c; measured $\sigma(\theta)$, branching ratios. JOUR NIFBA 121 771
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	2007MI25	NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E$\approx$35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c
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	2007PA36	NUCLEAR REACTIONS ^{4}He(K^{-}, π^{-}), E at 750 MeV; measured lifetime and mesonic and nonmesonic hypernuclear decay rates. JOUR PRVCA 76 035501
	2007PAZZ	NUCLEAR REACTIONS ^{4}He(K^{-}, π^{-}), E at 750 MeV / c; measured lifetime, mesonic and non-mesonic decay rates for $^{4}_{\Lambda}$He hypernucleus. PREPRINT arXiv:0705.3311v1 [nucl-ex]
	2007SH39	NUCLEAR REACTIONS ^{3}He(polarized p, π^{+}), E(cm)=200, 300, 400 MeV; measured differential cross sections, spin correlation parameters, excitation energy. Grand Raiden spectrometer, polarized ^{3}He target, elastic backward scattering. JOUR PRVCA 76 044003

A=5

^{5}He | 2007BH06 | NUCLEAR REACTIONS ^{5}He, ^{12}C(π^+, K$^+$), E at 1.05 GeV / c; measured Ep, En and angular distributions in hypernuclei decay and discussed quenching effect. Comparison with intra-nuclear cascade calculations. JOUR ZAANE 33 259

2007MI25 | NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E≈35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c

A=6

^{6}H | 2007FO05 | NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605

2007FOZY | NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, α), (^{8}He, ^{6}Li), E=15.3 MeV / nucleon; measured charged particle energies and yields. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P3

2007FOZZ | NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007

2007GU24 | NUCLEAR REACTIONS ^{9}Be(π^-, pd), (π^-, 2p), E at rest; ^{11}B, ^{12}C(π^-, pα), E at rest; ^{11}B, ^{12}C(π^-, p^{3}He), E at rest; measured missing mass spectra. ^{6,7}H deduced possible resonance energies, widths. JOUR ZAANE 32 261

^{6}He | 2007BE19 | NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ, $\sigma(\theta)$. ^{6}He deduced radius, deformation parameters. ^{27}Al(^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E≈7-45 MeV; analysed total σ. ^{6,7}Li, ^{9}Be, ^{16}O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30

2007GI08 | NUCLEAR REACTIONS ^{1}H(^{8}He, ^{8}He), (^{8}He, d), (^{8}He, t), E=15.7, 61.3 MeV / nucleon; analyzed $\sigma(\theta)$. Coupled reaction channel calculations, DWBA analysis. ^{2}H(^{26}Ne, p), E=9.7 MeV / nucleon; measured fragment yield, Eγ, Iγ, (particle)γ-coin. ^{27}Ne deduced levels, J, π. Exogam array, Vamos spectrometer. JOUR NUPAB 787 423c

2007HA13 | NUCLEAR REACTIONS ^{6}Li(γ, π^+), E=170-220 MeV; measured pion spectra, σ(E, θ). Comparison with model predictions, previous results. JOUR PRVCA 75 044311

2007KO23 | NUCLEAR REACTIONS ^{209}Bi(^{6}He, 2nα), E=22.5 MeV; measured En, Eα, nα-coin, $\sigma(\theta)$; deduced reaction mechanism features. ^{6}He level deduced B(E2). JOUR PRVCA 75 031302

^{6}Li | 2005RIZU | NUCLEAR REACTIONS ^{2}H(^{8}He, 4n), (^{8}He, 3n), (^{8}He, 2n), E=15.8 MeV / nucleon; measured En, nn-, (recoil)n-coin; deduced possible tetraneutron cluster. REPT IPNO-T-05-15,Rich

A=6 ***(continued)***

2007BE19 NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ, $\sigma(\theta)$. ^{6}He deduced radius, deformation parameters. ^{27}Al(^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E≈7-45 MeV; analysed total σ. ^{6,7}Li, ^{9}Be, ^{16}O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30

2007FR07 NUCLEAR REACTIONS ^{2}H, ^{6}Li(polarized μ, μ'), E at 160 GeV / c; measured scattering asymmetries. ^{1}n, ^{1}H; deduced spin structure. JOUR ZAANE 31 620

2007KO36 NUCLEAR REACTIONS ^{2}H, ^{6}Li(polarized μ, μ'), E=160 GeV; measured scattering asymmetry. ^{2}H; deduced spin dependent structure function. JOUR ZAANE 31 606

2007MA72 NUCLEAR REACTIONS ^{6}Li, ^{12}C(π^{+}, K^{+}), E at 1.05 GeV / c; measured excitation energy and pion spectra, Ep, Ed, En from hypernucleus decay; deduced decay asymmetry parameter. JOUR ZAANE 33 255

2007MI25 NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E≈35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=6 *(continued)*

^{6}B	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007FOZZ	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007

A=7

^{7}H	2007CA28	NUCLEAR REACTIONS ^{12}C(^{8}He, p), E=154 MeV / nucleon; measured particle energies and excitation energy distributions. ^{7}H deduced resonance energies. JOUR PRLTA 99 062502
	2007CAZZ	NUCLEAR REACTIONS ^{12}C(^{8}He, ^{7}H), E=15.4 MeV / nucleon; measured particle spectra. ^{7}H deduced resonance energy, width. PREPRINT nucl-ex/0702021,2/9/2007
	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007FOZZ	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007
	2007GOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, ^{3}He), E not given; measured cross sections. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P32
	2007GU24	NUCLEAR REACTIONS ^{9}Be(π^{-}, pd), (π^{-}, 2p), E at rest; ^{11}B, ^{12}C(π^{-}, pα), E at rest; ^{11}B, ^{12}C(π^{-}, p^{3}He), E at rest; measured missing mass spectra. ^{6,7}H deduced possible resonance energies, widths. JOUR ZAANE 32 261
^{7}He	2007GI08	NUCLEAR REACTIONS ^{1}H(^{8}He, ^{8}He), (^{8}He, d), (^{8}He, t), E=15.7, 61.3 MeV / nucleon; analyzed $\sigma(\theta)$. Coupled reaction channel calculations, DWBA analysis. ^{2}H(^{26}Ne, p), E=9.7 MeV / nucleon; measured fragment yield, Eγ, Iγ, (particle)γ-coin. ^{27}Ne deduced levels, J, π. Exogam array, Vamos spectrometer. JOUR NUPAB 787 423c
	2007GU24	NUCLEAR REACTIONS ^{9}Be(π^{-}, pd), (π^{-}, 2p), E at rest; ^{11}B, ^{12}C(π^{-}, pα), E at rest; ^{11}B, ^{12}C(π^{-}, p^{3}He), E at rest; measured missing mass spectra. ^{6,7}H deduced possible resonance energies, widths. JOUR ZAANE 32 261
	2007TA25	NUCLEAR REACTIONS ^{7}Li, ^{12}C, ^{28}Si(e, e'K^{+}), E not given; measured missing mass spectra. ^{7}He, ^{12}B, ^{28}Al deduced hypernucleus levels. JOUR NUPAB 790 679c
^{7}Li	2005RIZU	NUCLEAR REACTIONS ^{2}H(^{8}He, 4n), (^{8}He, 3n), (^{8}He, 2n), E=15.8 MeV / nucleon; measured En, nn-, (recoil)n-coin; deduced possible tetraneutron cluster. REPT IPNO-T-05-15,Rich
	2006YA21	NUCLEAR REACTIONS ^{6}Li(polarized d, α), (polarized d, p), E=90 keV; measured Ep, Eα, vector and tensor analyzing powers; deduced resonance contributions. JOUR PRVCA 74 064606

A=7 ***(continued)***

2007BE19 NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ, $\sigma(\theta)$. ^{6}He deduced radius, deformation parameters. ^{27}Al(^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E≈7-45 MeV; analysed total σ. ^{6,7}Li, ^{9}Be, ^{16}O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30

2007HA06 NUCLEAR REACTIONS ^{10}B(n, α), E=0.1-2000 keV; measured Eα, σ(E), branching ratio for emission to ground, first excited state. JOUR NSENA 156 103

2007NI02 RADIOACTIVITY ^{7}Be(EC); measured $T_{1/2}$ for source in various host materials; deduced no environmental dependence. JOUR PRVCA 75 012801

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007OH02 RADIOACTIVITY ^{7}Be(EC); measured decay rate in C_{60} at liquid helium temperature. Compared results to model calculations. JOUR PRLTA 98 252501

2007RU04 NUCLEAR REACTIONS ^{7}Li(^{18}O, ^{18}O), (^{18}O, ^{18}O'), E=114 MeV; measured elastic and inelastic $\sigma(\theta)$; deduced potential parameters, scattering mechanism features. ^{18}O deduced deformation parameters. Optical model and coupled-reaction-channels analysis. JOUR NUPAB 785 293

A=7 *(continued)*

	2007RU13	NUCLEAR REACTIONS ^{7}Li(^{10}B, ^{10}B), E=51 MeV; measured elastic scattering σ and angular distributions. ^{10}B(^{7}Li, ^{7}Li), E=24, 39 MeV; ^{11}B(^{7}Li, ^{7}Li), E=34 MeV; analyzed elastic scattering σ using optical model and coupled channel method. JOUR ZAANE 33 317
^{7}Be	2006AMZX	NUCLEAR REACTIONS ^{1}H(^{7}Be, p), E=7.69 MeV / nucleon; measured Ep, Eγ, pγ-coin. REPT CNS-REP-69,P31,Amadio
	2006YAZT	NUCLEAR REACTIONS ^{1}H(^{7}Be, p), E=53.8 MeV; measured Ep; deduced excitation function. ^{8}B deduced resonance energy. REPT CNS-REP-69,P14,Yamaguchi
	2007AG08	NUCLEAR REACTIONS ^{7}Li(K^{+}, K^{0}), E at rest; measured π^{+}, π^{-} invariant mass spectra; deduced threshold σ upper limit. JOUR PYLBB 649 25
	2007CO17	NUCLEAR REACTIONS ^{3}He(α, γ), E=220, 250, 400 keV; measured Eγ, Iγ. Deduced cross section and S-factor. JOUR PRVCA 75 065803
	2007COZZ	NUCLEAR REACTIONS ^{3}He(α, γ), E(cm)=86, 106, 170 keV; measured Eγ, Iγ and cross section. Deduced s-factor. PREPRINT arXiv:0705.2151v1 [nucl-ex]
	2007FO10	NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1
	2007GY01	NUCLEAR REACTIONS ^{3}He(α, γ), E=250, 300, 350, 400 keV; measured Eγ, Iγ, σ; deduced astrophysical S-factor. JOUR PRVCA 75 035805
	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
	2007LA25	NUCLEAR REACTIONS ^{2}H(^{10}B, nα), E=27 MeV; measured Eα, Iα, σ; deduced astrophysical S-factor. Trojan horse method, three-body process. JOUR NUPAB 787 309c
	2007NI02	RADIOACTIVITY ^{7}Be(EC); measured T$_{1/2}$ for source in various host materials; deduced no environmental dependence. JOUR PRVCA 75 012801

A=7 ***(continued)***

	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007OH02	RADIOACTIVITY ^{7}Be(EC); measured decay rate in C_{60} at liquid helium temperature. Compared results to model calculations. JOUR PRLTA 98 252501
	2007SI19	NUCLEAR REACTIONS C(n, X)^{7}Be, Si(n, X)^{22,24}Na, ^{27}Al(n, X), ^{197}Au(n, X)^{194,196}Au, E=70-160 MeV; measured Eγ, Iγ following stacked foil activation. Deduced cross sections. JOUR NIMBE 261 993
	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{7}B	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007FOZZ	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007

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^{8}He	2007GO24	NUCLEAR REACTIONS ^{2}H(^{8}He, p), E=25 MeV / nucleon; measured particle energy and missing mass spectra. ^{8}He deduced levels, J, π. JOUR PRVCA 76 021605
	2007GU24	NUCLEAR REACTIONS ^{9}Be(π^{-}, pd), (π^{-}, 2p), E at rest; ^{11}B, ^{12}C(π^{-}, pα), E at rest; ^{11}B, ^{12}C(π^{-}, p^{3}He), E at rest; measured missing mass spectra. ^{6,7}H deduced possible resonance energies, widths. JOUR ZAANE 32 261
^{8}Li	2005RIZU	NUCLEAR REACTIONS ^{2}H(^{8}He, 4n), (^{8}He, 3n), (^{8}He, 2n), E=15.8 MeV / nucleon; measured En, nn-, (recoil)n-coin; deduced possible tetraneutron cluster. REPT IPNO-T-05-15,Rich
	2007GUZY	NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{7}Li), (^{8}Li, ^{8}Li), (^{8}Li, ^{9}Li), E=27 MeV; measured $\sigma(\theta)$; deduced spectroscopic factors. ^{7,8}Li(n, γ), E $\approx$ 0-1.2 MeV; calculated σ. PREPRINT nucl-ex/0701046,01/23/2007
	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007PA39	NUCLEAR REACTIONS ^{9}Be(^{6}He, ^{7}Li), E=25 MeV / nucleon; measured particle energies, yields, inclusive σ and angular distributions. JOUR CPLEE 24 2785
	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

A=8 ***(continued)***

^{8}Be

2006SA49 NUCLEAR REACTIONS ^{7}Li(polarized d, n), E=80, 130, 160 keV; measured σ(E, θ), analyzing powers; deduced transition matrix elements. Finite-range DWBA calculations, coupled reaction channels calculations. JOUR PRVCA 74 064611

2006TAZW NUCLEAR REACTIONS ^{9}Be(n, 2n), E=14 MeV; measured En, nn-coin, $\sigma(\theta, \phi)$. REPT JAEA-Conf 2006-009,P95,Takaki

2007GU13 NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{8}Li), ^{9}Be(^{8}Li, ^{7}Li), ^{9}Be(^{8}Li, ^{9}Li), E=27 MeV; measured σ and angular distributions. Deduced spectroscopic factors, compared results to optical model calculations. JOUR PRVCA 75 054602

2007GUZY NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{7}Li), (^{8}Li, ^{8}Li), (^{8}Li, ^{9}Li), E=27 MeV; measured $\sigma(\theta)$; deduced spectroscopic factors. ^{7,8}Li(n, γ), E $\approx$ 0-1.2 MeV; calculated σ. PREPRINT nucl-ex/0701046,01/23/2007

2007KO70 NUCLEAR REACTIONS ^{10}B(d, α), E=900-2000 keV; measured σ and angular distributions. JOUR NIMBE 263 369

2007MC06 RADIOACTIVITY ^{8}Be(α) [from ^{92}Mo(^{114}Cd, X), E=50 MeV / nucleon]; measured Eα, Iα, relative α energies as a function of decay angle. Deduced evidence for tidal effect. Compared results to model calculations. JOUR PRLTA 99 132701

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007OS03 NUCLEAR REACTIONS ^{9}Be(^{13}C, α^{14}C), E=89.45 MeV; measured particle energies and coincidences. ^{8}Be deduced levels. JOUR UKPJA 52 525

A=8 ***(continued)***

^{8}B	2006YAZT	NUCLEAR REACTIONS ^{1}H(^{7}Be, p), E=53.8 MeV; measured Ep; deduced excitation function. ^{8}B deduced resonance energy. REPT CNS-REP-69,P14,Yamaguchi
	2007RO01	NUCLEAR REACTIONS ^{1}H(^{8}B, p), E(cm)=0.5-3.2 MeV; measured Ep, $\sigma(\theta)$, excitation function. ^{9}C deduced resonance energies, widths, J, π. Thick target, R-matrix analysis, continuum shell model calculations. JOUR PRVCA 75 014603
	2007YAZY	NUCLEAR REACTIONS ^{1}H(^{7}Be, γ), E=53.8 MeV; measured excitation function. CONF Geneva(NIC-IX) 049

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^{9}He	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007FOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, α), (^{8}He, ^{6}Li), E=15.3 MeV / nucleon; measured charged particle energies and yields. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P3
	2007FOZZ	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007
	2007GO24	NUCLEAR REACTIONS ^{2}H(^{8}He, p), E=25 MeV / nucleon; measured particle energy and missing mass spectra. ^{8}He deduced levels, J, π. JOUR PRVCA 76 021605
	2007GOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, ^{3}He), E not given; measured cross sections. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P32
^{9}Li	2007GUZY	NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{7}Li), (^{8}Li, ^{8}Li), (^{8}Li, ^{9}Li), E=27 MeV; measured $\sigma(\theta)$; deduced spectroscopic factors. ^{7,8}Li(n, γ), E $\approx$ 0-1.2 MeV; calculated σ. PREPRINT nucl-ex/0701046,01/23/2007
	2007MAZY	RADIOACTIVITY ^{9}Li(β^{-}); measured β-delayed Eα. ^{9}Be; measured breakup of the 2.43 state. CONF Geneva(NIC-IX) 135

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2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007VI11 NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

^{9}Be 2007BE19 NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ, $\sigma(\theta)$. ^{6}He deduced radius, deformation parameters. ^{27}Al(^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E≈7-45 MeV; analysed total σ. ^{6,7}Li, ^{9}Be, ^{16}O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30

2007CH39 NUCLEAR REACTIONS ^{9}Be(^{10}C, ^{10}C), E=10.7 MeV / nucleon; measured Ep, Eα, 2p2α decay of the excited states; ^{10}C; deduced level energies and intrinsic widths for particle unbound states. JOUR PRVCA 75 051304

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

A=9 ***(continued)***

	2007GU13	NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{8}Li), ^{9}Be(^{8}Li, ^{7}Li), ^{9}Be(^{8}Li, ^{9}Li), E=27 MeV; measured σ and angular distributions. Deduced spectroscopic factors, compared results to optical model calculations. JOUR PRVCA 75 054602
	2007GUZY	NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{7}Li), (^{8}Li, ^{8}Li), (^{8}Li, ^{9}Li), E=27 MeV; measured $\sigma(\theta)$; deduced spectroscopic factors. ^{7,8}Li(n, γ), E $\approx$ 0-1.2 MeV; calculated σ. PREPRINT nucl-ex/0701046,01/23/2007
	2007MAZY	RADIOACTIVITY ^{9}Li(β^{-}); measured β-delayed Eα. ^{9}Be; measured breakup of the 2.43 state. CONF Geneva(NIC-IX) 135
	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007PA21	NUCLEAR REACTIONS ^{9}Be(^{6}Li, ^{6}Li'), E=60 MeV; measured Eα, Iα, $\alpha\alpha$-coin, angular correlations following break-up. ^{9}Be deduced excited state partial decay widths, branching ratios. Astrophysical implications discussed. JOUR PRVCA 75 045803
	2007TO03	NUCLEAR MOMENTS ^{9}Be; measured NMR, Knight shift in UBe$_{13}$; deduced nuclear quadrupole parameters. JOUR JUPSA 76 024705
^{9}B	2007AR21	NUCLEAR REACTIONS ^{1}H(^{9}Be, n), E=1.2 GeV / nucleon; measured transverse momentum and pair angle distributions for the α particle pair. JOUR PANUE 70 1222
^{9}C	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605

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	2007FOZZ	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007
	2007RO01	NUCLEAR REACTIONS ^{1}H(^{8}B, p), E(cm)=0.5-3.2 MeV; measured Ep, $\sigma(\theta)$, excitation function. ^{9}C deduced resonance energies, widths, J, π. Thick target, R-matrix analysis, continuum shell model calculations. JOUR PRVCA 75 014603
	2007ST17	NUCLEAR REACTIONS ^{1}H(^{10}B, 2n), E=1.2 GeV / nucleon; measured transverse momentum distribution of protons produced in the fragmentatation of ^{8}B. JOUR PANUE 70 1216

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^{10}Li	2006JE09	NUCLEAR REACTIONS ^{2}H(^{9}Li, ^{10}Li), E=2.36 MeV / nucleon; measured proton spectra, $\sigma(\theta)$. ^{10}Li deduced spectroscopic factors. Comparison with optical model calculations, post-accelerated radioactive beam. JOUR PYLBB 642 449
	2007SI24	NUCLEAR REACTIONS C(^{11}Li, nx), E=264 MeV / nucleon; C(^{14}Be, nx), E=287 MeV / nucleon; measured neutron energies and yields, σ as a function of core-neutron energy. ^{11,10}Li, ^{13}Be deduced resonance parameters. JOUR NUPAB 791 267
^{10}Be	2007BO18	NUCLEAR REACTIONS ^{12}C(^{12}C, ^{14}O), E=211.4 MeV; measured σ and angular distributions. Deduced level energies, J, π. JOUR PRVCA 75 054604
	2007BO27	NUCLEAR REACTIONS ^{12}C(^{12}C, ^{14}O), E=211.4 MeV; measured $\sigma(\theta$, E). ^{10}Be deduced levels, J, π. Coupled channel calculations. JOUR NUPAB 787 451c
	2007GR05	RADIOACTIVITY ^{10}Be, ^{40}K, ^{87}Rb(β^-); measured Eβ; deduced shape-factor functions, cutoff energy yields, maximum-point energies. Comparison with previous results. JOUR NIMAE 572 760
	2007GU13	NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{8}Li), ^{9}Be(^{8}Li, ^{7}Li), ^{9}Be(^{8}Li, ^{9}Li), E=27 MeV; measured σ and angular distributions. Deduced spectroscopic factors, compared results to optical model calculations. JOUR PRVCA 75 054602
	2007GUZY	NUCLEAR REACTIONS ^{9}Be(^{8}Li, ^{7}Li), (^{8}Li, ^{8}Li), (^{8}Li, ^{9}Li), E=27 MeV; measured $\sigma(\theta)$; deduced spectroscopic factors. ^{7,8}Li(n, γ), E $\approx$ 0-1.2 MeV; calculated σ. PREPRINT nucl-ex/0701046,01/23/2007

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`2007NO13` NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

`2007PI05` NUCLEAR REACTIONS ^{12}C(e, e'p), (e, e'2p), E=4.627 GeV; measured Ep, pp-coin, yield ratio vs missing momentum. JOUR NUPAB 782 207c

`2007SHZZ` NUCLEAR REACTIONS ^{12}C(e, e'p), (e, e'2p), E=4.627 GeV; measured Ep, pp-coin, angular correlations, missing energy spectra; deduced role of short-range correlations. PREPRINT nucl-ex/0703023,3/15/2007

`2007SO06` NUCLEAR REACTIONS ^{10}B(n, p), E=70240 MeV; measured σ(E, θ). Comparison with zero- and finite-range DWIA predictions. JOUR PRVCA 75 034611

^{10}B `2007FO10` NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, σ(θ, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

`2007GR05` RADIOACTIVITY ^{10}Be, ^{40}K, ^{87}Rb(β^{-}); measured Eβ; deduced shape-factor functions, cutoff energy yields, maximum-point energies. Comparison with previous results. JOUR NIMAE 572 760

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	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007RU13	NUCLEAR REACTIONS ^{7}Li(^{10}B, ^{10}B), E=51 MeV; measured elastic scattering σ and angular distributions. ^{10}B(^{7}Li, ^{7}Li), E=24, 39 MeV; ^{11}B(^{7}Li, ^{7}Li), E=34 MeV; analyzed elastic scattering σ using optical model and coupled channel method. JOUR ZAANE 33 317
	2007SU02	NUCLEAR REACTIONS ^{12}C(polarized d, α), E=140, 270 MeV; measured Eα, $\sigma(\theta)$; deduced beam polarization. ^{1}H(polarized d, d), E=140, 270; measured analyzing powers. JOUR NIMAE 572 745
^{10}C	2007CH39	NUCLEAR REACTIONS ^{9}Be(^{10}C, ^{10}C), E=10.7 MeV / nucleon; measured Ep, Eα, 2p2α decay of the excited states; ^{10}C; deduced level energies and intrinsic widths for particle unbound states. JOUR PRVCA 75 051304

A=11

^{11}Li	2006SA52	NUCLEAR MOMENTS ^{11}Li; measured optical isotope shift; deduced charge radius. Laser spectroscopy. JOUR HYIND 171 181
	2007NA22	NUCLEAR REACTIONS Pb(^{11}Li, 2n), E=69.7 E=70 MeV / nucleon; measured En, In, E(recoil), σ(E). ^{11}Li deduced B(E1) distribution. Comparison with three-body model. JOUR NUPAB 788 243c

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	2007SI24	NUCLEAR REACTIONS C(^{11}Li, nx), E=264 MeV / nucleon; C(^{14}Be, nx), E=287 MeV / nucleon; measured neutron energies and yields, σ as a function of core-neutron energy. ^{11,10}Li, ^{13}Be deduced resonance parameters. JOUR NUPAB 791 267
^{11}Be	2007LI62	NUCLEAR REACTIONS ^{48}Ti(^{11}Be, n), E=41 MeV / nucleon; measured En, In, Eγ, Iγ, $\sigma(\theta)$, (^{10}Be)n-, γn-coin. ^{11}Be deduced spectroscopic factor, configurations. JOUR NUPAB 795 1
	2007LIZW	NUCLEAR REACTIONS ^{48}Ti(^{11}Be, ^{10}Be), E=41 MeV / nucleon; measured fragment energies and yields, neutron energies, intensities, and angular distributions, and Eγ, Iγ. ^{11}Be deduced breakup σ. PREPRINT arXiv:0709.3981v1 [nucl-ex]
	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007SU18	NUCLEAR REACTIONS ^{208}Pb(^{11}Be, ^{11}Be'), E=38.6 MeV / nucleon; measured Coulomb excitation σ. ^{11}Be deduced B(E1) strengths; calculated σ. Extended continuum discretized coupled channels method. Comparison with previous data. JOUR PYLBB 650 124
^{11}B	2006KH12	NUCLEAR REACTIONS ^{14}N(n, α), (n, t), E=5.45-7.2 MeV; measured σ. JOUR AENGA 101 307
	2006SAZP	NUCLEAR REACTIONS ^{11}B, ^{13}C(α, α'), E=400 MeV; measured Eα, σ(E, θ). ^{11}B deduced B(E0), B(E2), cluster structure. Antisymmetrized molecular dynamics. REPT CNS-REP-69,P33,Sasamoto

A=11 ***(continued)***

2007CO01 NUCLEAR REACTIONS ^{13}C(d, p), (d, t), (d, α), E=0.5-1.65 MeV; measured $\sigma(\theta)$. Comparison with previous results. JOUR NIMBE 254 25

2007DE28 NUCLEAR REACTIONS ^{12}C(d, ^{2}He), (d, n^{2}He), E=171 MeV; measured En, Ep, pp-coin, pn-coin, excitation energy spectra, σ(E, θ), tensor analysing powers. ^{11}B deduced giant resonance features. JOUR PYLBB 649 35

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007FU07 NUCLEAR REACTIONS ^{12}C(π^{+}, K^{+}), (π^{+}, K^{+}p), E at 1.05 GeV / c; measured Eγ, Iγ from $^{12}_{\Lambda}$C, $^{11}_{\lambda}$B decays. Deduced Λ-N interaction parameters. JOUR CPLEE 24 2216

2007KO69 NUCLEAR REACTIONS ^{10}B(d, p), E=900-2000 keV; measured σ and angular distributions. JOUR NIMBE 263 357

2007MA71 NUCLEAR REACTIONS ^{12}C(π^{+}, K^{+}), E= MeV; measured hypernuclear mass spectrum, Eγ, Iγ. ^{11}B, ^{12}C deduced hypernuclei levels, J, π. Hyperball2 array. JOUR ZAANE 33 243

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=11 ***(continued)***

2007PI05 NUCLEAR REACTIONS ^{12}C(e, e'p), (e, e'2p), E=4.627 GeV; measured Ep, pp-coin, yield ratio vs missing momentum. JOUR NUPAB 782 207c

2007RU13 NUCLEAR REACTIONS ^{7}Li(^{10}B, ^{10}B), E=51 MeV; measured elastic scattering σ and angular distributions. ^{10}B(^{7}Li, ^{7}Li), E=24, 39 MeV; ^{11}B(^{7}Li, ^{7}Li), E=34 MeV; analyzed elastic scattering σ using optical model and coupled channel method. JOUR ZAANE 33 317

2007RY02 NUCLEAR REACTIONS ^{4}He(γ, π^{-}p), Eγ=1.6-4.5 GeV; ^{12}C(p, 2p), Ep=1 GeV; measured σ, compared to model calculations. JOUR ZAANE 31 585

2007SHZZ NUCLEAR REACTIONS ^{12}C(e, e'p), (e, e'2p), E=4.627 GeV; measured Ep, pp-coin, angular correlations, missing energy spectra; deduced role of short-range correlations. PREPRINT nucl-ex/0703023,3/15/2007

2007ZI03 NUCLEAR REACTIONS ^{12}C(^{17}O, ^{18}F)^{11}B, E=45 MeV / nucleon; measured Eγ, Iγ. ^{18}F deduced B(E1), B(E2). JOUR NIMAE 579 476

^{11}C 2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007GA34 NUCLEAR REACTIONS ^{9}Be(^{38}Si, ^{36}Mg), E=83 MeV / nucleon; measured Eγ, Iγ. ^{36}Mg deduced level energy. Compared results to model calculations. JOUR PRLTA 99 072502

2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=11 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

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^{12}Be 2006SAZR NUCLEAR REACTIONS ^{4}He(^{12}Be, α), E=60 MeV / nucleon; measured σ(E, θ), particle spectra. ^{12}Be deduced level energies, J, π, widths. REPT CNS-REP-69,P21,Saito

2007FO05 NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605

2007FOZZ NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007

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2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SH34 NUCLEAR REACTIONS ^{9}Be(^{18}O, X)^{12}Be, E=100 MeV / nucleon; measured delayed Eγ, Iγ, $\gamma\gamma$-coin. ^{12}Be deduced isomeric state energy J, π, $T_{1/2}$, decay branching, B(E2), B(E0). Comparison with shell model calculations. JOUR PYLBB 654 87

2007SHZY RADIOACTIVITY ^{12}Be(IT); measured Eγ, Iγ and lifetimes; deduced level energy, B(E2), B(E0). REPT CNS-REP-71

^{12}B 2007DE28 NUCLEAR REACTIONS ^{12}C(d, ^{2}He), (d, n^{2}He), E=171 MeV; measured En, Ep, pp-coin, pn-coin, excitation energy spectra, σ(E, θ), tensor analysing powers. ^{11}B deduced giant resonance features. JOUR PYLBB 649 35

2007IO02 NUCLEAR REACTIONS ^{12}C(e, e'K^{+}), E=3.77 GeV; measured cross sections. $^{12}_{\Lambda}$B deduced level energies. JOUR PRLTA 99 052501

2007IOZY NUCLEAR REACTIONS ^{12}C(e, e'K^{+}), E=3.77 GeV; measured cross sections for $^{12}_{\Lambda}$C hypernucleus. Comparisons to theoretical predictions. PREPRINT arXiv:0705.3332v1 [nucl-ex]

A=12 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007PEZY RADIOACTIVITY ^{12}B(β^-), ^{12}N(β^+); measured branching β-decay ratios. CONF Geneva(NIC-IX) 244

2007TA25 NUCLEAR REACTIONS ^{7}Li, ^{12}C, ^{28}Si(e, e'K$^+$), E not given; measured missing mass spectra. ^{7}He, ^{12}B, ^{28}Al deduced hypernucleus levels. JOUR NUPAB 790 679c

^{12}C

2006KH12 NUCLEAR REACTIONS ^{14}N(n, α), (n, t), E=5.45-7.2 MeV; measured σ. JOUR AENGA 101 307

2006LE45 NUCLEAR REACTIONS ^{12}C(p, p), ^{12}C(p, pγ)E=7.5 MeV; measured σ and angular distributions for ground state and low excited states. JOUR BRSPE 70 1883

2007AG14 NUCLEAR REACTIONS ^{12}C(K$^-$, π^-), E at rest; measured negative pion momentum spectrum and Ep, Ip from decaying hypernucleus. Comparison with other data. JOUR ZAANE 33 251

2007ALZZ NUCLEAR REACTIONS ^{10}B(^{3}He, p), E=2.45 MeV; measured excitation spectrum. CONF Geneva(NIC-IX) 067

2007BH06 NUCLEAR REACTIONS ^{5}He, ^{12}C(π^+, K$^+$), E at 1.05 GeV / c; measured Ep, En and angular distributions in hypernuclei decay and discussed quenching effect. Comparison with intra-nuclear cascade calculations. JOUR ZAANE 33 259

A=12 ***(continued)***

2007BL10 NUCLEAR REACTIONS ^{12}C, ^{208}Pb(n, n), E=96 MeV; Fe, Pb, U(n, pX), (n, dX), (n, tX), E=96 MeV; measured $\sigma(\theta)$. ^{181}Ta, W, ^{197}Au, Pb, ^{208}Pb(n, F), E=20-200 MeV; measured fission σ. Cu(n, X)^{56}Co, E=50-180 MeV; measured σ. JOUR PRAMC 68 269

2007BO04 NUCLEAR REACTIONS ^{12}C(^{68}Zn, ^{68}Zn'), E=180, 200 MeV; measured Eγ, I$\gamma(\theta$, H, t), (particle)γ-coin following projectile Coulomb excitation. ^{68}Zn deduced levels, J, π, g. Transient field technique. Comparison with model predictions. JOUR PRVCA 75 021302

2007CO01 NUCLEAR REACTIONS ^{13}C(d, p), (d, t), (d, α), E=0.5-1.65 MeV; measured $\sigma(\theta)$. Comparison with previous results. JOUR NIMBE 254 25

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007FR05 NUCLEAR REACTIONS ^{12}C(^{12}C, 3α), E=104, 106 MeV; measured Eα, $\alpha\alpha$-coin, relative velocity spectra; deduced no strong Coulomb repulsion or quantum statistics effects. JOUR JPGPE 34 789

2007FU07 NUCLEAR REACTIONS ^{12}C(π^+, K$^+$), (π^+, K$^+$p), E at 1.05 GeV / c; measured Eγ, Iγ from $^{12}_{\Lambda}$C, $^{11}_{\lambda}$B decays. Deduced Λ-N interaction parameters. JOUR CPLEE 24 2216

2007GA07 NUCLEAR REACTIONS ^{12}C(d, d), (d, d'), E=15.3 MeV; measured $\sigma(\theta)$, σ(E, θ), spin-tensor components of density matrix; deduced reaction mechanism features. JOUR PANUE 70 273

2007GL01 NUCLEAR REACTIONS ^{12,13,14}C(^{16}O, ^{16}O), E=132 MeV; measured $\sigma(\theta)$; deduced Airy structure, optical model parameters. JOUR PANUE 70 1

2007MA58 NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

2007MA71 NUCLEAR REACTIONS ^{12}C(π^+, K$^+$), E= MeV; measured hypernuclear mass spectrum, Eγ, Iγ. ^{11}B, ^{12}C deduced hypernuclei levels, J, π. Hyperball2 array. JOUR ZAANE 33 243

2007MA72 NUCLEAR REACTIONS ^{6}Li, ^{12}C(π^+, K$^+$), E at 1.05 GeV / c; measured excitation energy and pion spectra, Ep, Ed, En from hypernucleus decay; deduced decay asymmetry parameter. JOUR ZAANE 33 255

A=12 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007PA33 NUCLEAR REACTIONS ^{12}C(^{7}Li, ^{7}Li), E=7.5, 9, 12, 15 MeV; measured elastic $\sigma(\theta)$; deduced optical model parameters. ^{12}C(^{7}Li, αX), E=7.5, 9, 12, 15 MeV; measured Eα and $\sigma(\theta)$; analyzed fusion and direct σ. Comparison with previous data and model calculations. JOUR NUPAB 792 187

2007PEZY RADIOACTIVITY ^{12}B(β^-), ^{12}N(β^+); measured branching β-decay ratios. CONF Geneva(NIC-IX) 244

2007PI13 NUCLEAR REACTIONS ^{12}C(^{138}Ce, ^{138}Ce'), E=480 MeV; measured Eγ, Iγ, angular distributions following projectile Coulomb excitation. ^{138}Ce deduced levels, J, π, B(M1), B(E2), matrix elements, δ, mixed-symmetry state. Gammasphere array. JOUR NUPAB 788 85c

2007SU20 NUCLEAR REACTIONS ^{12}C(^{14}Be, 2n^{12}Be), E=68.1 MeV / nucleon; measured relative energy spectra, Eγ, Iγ, (residual)γ-coin. ^{14}Be deduced energy level, J, π, deformation length, configurations. Comparison with other data and shell model. JOUR PYLBB 654 160

2007SUZY NUCLEAR REACTIONS ^{12}C(^{14}Be, ^{14}Be'), E=68 MeV / nucleon; measured particle and neutron energies, cross section and angular distributions. ^{14}Be deduced level energies, J, π. REPT RIKEN-NC-NP-12,Sugimoto

2007TA27 NUCLEAR REACTIONS ^{26}Mg, ^{48}Ca(p, p'), E=295 MeV; measured excitation energy spectrum. ^{12}C(p, p'), E=295 MeV; calculated $\sigma(\theta)$. DWIA method. JOUR NUPAB 788 53c

A=12 *(continued)*

^{12}N	2007DOZZ	NUCLEAR REACTIONS ^{12}C(polarized p, n), E=296 MeV; measured σ(E, θ=0°), polarization transfer observables. PREPRINT arXiv:0704.0670v1 [nucl-ex]
	2007PEZY	RADIOACTIVITY ^{12}B(β^-), ^{12}N(β^+); measured branching β-decay ratios. CONF Geneva(NIC-IX) 244
	2007SK02	NUCLEAR REACTIONS ^{1}H(^{12}N, p), E(cm)=0.8-2.7 MeV; measured Ep, excitation functions for elastic scattering. ^{13}O deduced resonance energies, J, π, widths. ^{12}N(p, γ), E=low; calculated astrophysical reaction rates. R-matrix calculations. JOUR PRVCA 75 024607
	2007WA40	NUCLEAR REACTIONS ^{12}C(polarized p, n), E=296 MeV; measured excitation energy spectrum, $\sigma(\theta)$, analyzing powers. Comparison with DWIA and RPA calculations. JOUR PYLBB 656 38
	2007WAZY	NUCLEAR REACTIONS ^{12}C(p, n), E=296 MeV; measured cross section and polarization observables. Compared results to model calculations. PREPRINT ArXiv:0708.2813v1 [nucl-ex]
	2007ZE06	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
^{12}O	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007FOZZ	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120, 180, 240 MeV; measured σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701002,01/03/2007

A=13

^{13}Be	2007SI24	NUCLEAR REACTIONS C(^{11}Li, nx), E=264 MeV / nucleon; C(^{14}Be, nx), E=287 MeV / nucleon; measured neutron energies and yields, σ as a function of core-neutron energy. ^{11,10}Li, ^{13}Be deduced resonance parameters. JOUR NUPAB 791 267
^{13}B	2006GE21	NUCLEAR REACTIONS ^{11}B(t, p), E=2.53-6.95 MeV; measured excitation function. ^{14}C deduced analog states features. JOUR BRSPE 70 217
	2006GE21	RADIOACTIVITY ^{13}B(β^-) [from ^{11}B(t, p)]; measured Eβ, Eγ, $T_{1/2}$. JOUR BRSPE 70 217

A=13 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{13}C

2006GE21 RADIOACTIVITY ^{13}B(β^-) [from ^{11}B(t, p)]; measured Eβ, Eγ, T$_{1/2}$. JOUR BRSPE 70 217

2006SAZP NUCLEAR REACTIONS ^{11}B, ^{13}C(α, α'), E=400 MeV; measured Eα, σ(E, θ). ^{11}B deduced B(E0), B(E2), cluster structure. Antisymmetrized molecular dynamics. REPT CNS-REP-69,P33,Sasamoto

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, σ(θ, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007GL01 NUCLEAR REACTIONS ^{12,13,14}C(^{16}O, ^{16}O), E=132 MeV; measured σ(θ); deduced Airy structure, optical model parameters. JOUR PANUE 70 1

2007KO02 NUCLEAR REACTIONS ^{12}C(d, p), E=900-2000 keV; measured Ep, σ(E, θ). JOUR NIMBE 254 10

2007MA58 NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

A=13 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{13}N

2006TEZW NUCLEAR REACTIONS ^{1}H(^{13}N, p), E=48.6 MeV; measured Ep, $\sigma(\theta)$. ^{14}O deduced resonance energies, J, π, widths. REPT CNS-REP-69,P10,Teranishi

2007BE47 NUCLEAR REACTIONS ^{12}C, ^{16}O, ^{24}Mg, Fe(p, γ), e=5-25 meV; ^{12}C, ^{16}O, ^{24}Mg, Fe(α, γ), E=5-40 MeV; measured Eγ, Iγ, angular distributions, cross sections and excitation functions. Compared results to model calculations. JOUR PRVCA 76 034607

2007CAZZ NUCLEAR REACTIONS ^{12}C(^{8}He, ^{7}H), E=15.4 MeV / nucleon; measured particle spectra. ^{7}H deduced resonance energy, width. PREPRINT nucl-ex/0702021,2/9/2007

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=13 ***(continued)***

2007LH01 NUCLEAR REACTIONS ^{13}C(p, n), E=20, 25, 40 MeV; measured neutron energy, σ and angular distributions. Compared results to existing data and model calculations. JOUR NIMAE 576 371

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007ZE06 NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501

2007ZEZZ NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

^{13}O

2007GUZW NUCLEAR REACTIONS ^{16}O(^{3}He, ^{6}He)^{13}O, E=79.9 MeV; measured momentum spectra and σ at 9 laboratory angles. ^{13}O deduced level energies, energy between the first positive parity state and the proton threshold energy. CONF Iguazu(Nuclear Physics and Applications) Proc,P123,Guimaraes

2007SK02 NUCLEAR REACTIONS ^{1}H(^{12}N, p), E(cm)=0.8-2.7 MeV; measured Ep, excitation functions for elastic scattering. ^{13}O deduced resonance energies, J, π, widths. ^{12}N(p, γ), E=low; calculated astrophysical reaction rates. R-matrix calculations. JOUR PRVCA 75 024607

A=14

^{14}Be	2007SU20	NUCLEAR REACTIONS ^{12}C(^{14}Be, 2n^{12}Be), E=68.1 MeV / nucleon; measured relative energy spectra, Eγ, Iγ, (residual)γ-coin. ^{14}Be deduced energy level, J, π, deformation length, configurations. Comparison with other data and shell model. JOUR PYLBB 654 160
	2007SUZY	NUCLEAR REACTIONS ^{12}C(^{14}Be, ^{14}Be'), E=68 MeV / nucleon; measured particle and neutron energies, cross section and angular distributions. ^{14}Be deduced level energies, J, π. REPT RIKEN-NC-NP-12,Sugimoto
^{14}B	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{14}C	2006GE21	NUCLEAR REACTIONS ^{11}B(t, p), E=2.53-6.95 MeV; measured excitation function. ^{14}C deduced analog states features. JOUR BRSPE 70 217
	2007CO01	NUCLEAR REACTIONS ^{13}C(d, p), (d, t), (d, α), E=0.5-1.65 MeV; measured $\sigma(\theta)$. Comparison with previous results. JOUR NIMBE 254 25
	2007GL01	NUCLEAR REACTIONS ^{12,13,14}C(^{16}O, ^{16}O), E=132 MeV; measured $\sigma(\theta)$; deduced Airy structure, optical model parameters. JOUR PANUE 70 1

A=14 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007PR02 NUCLEAR REACTIONS ^{14}C(^{14}C, α^{10}Be), E=98.2 MeV; measured charged particle spectra. ^{14}C deduced excited states energies, J, π, α-decay properties. JOUR PRVCA 75 014305

^{14}N

2007CH25 NUCLEAR REACTIONS ^{14}N(α, γ), E=1620-1775 keV; measured Eγ, Iγ; deduced resonance parameters. ^{17}O(p, α), E=194-204 keV; measured Eα, σ(E, θ); deduced resonance energy, strength. Astrophysical implications discussed. JOUR PRVCA 75 035810

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007MIZZ NUCLEAR REACTIONS ^{16}O(e, e'np), E=855 MeV; measured particle spectra, missing energy, σ(E, θ). Comparison with model predictions. PREPRINT nucl-ex/0701053,1/24/2007

2007MO20 NUCLEAR REACTIONS ^{1}H(^{17}O, α)^{14}N, E=3.3 MeV; measured resonance energy and strength. Discussed astrophysical implications. JOUR PRVCA 75 065801

A=14 *(continued)*

2007NE08 NUCLEAR REACTIONS ^{17}O(p, α), E=140-210 keV; measured yields and resonance strength for the 193 keV resonance. JOUR PRVCA 75 055808

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{14}O

2006TEZW NUCLEAR REACTIONS ^{1}H(^{13}N, p), E=48.6 MeV; measured Ep, $\sigma(\theta)$. ^{14}O deduced resonance energies, J, π, widths. REPT CNS-REP-69,P10,Teranishi

2007BA61 NUCLEAR REACTIONS ^{4}He(^{14}O, α^{10}C), (^{14}O, 2p^{12}C), (^{14}O, p^{13}N), E=60 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin, excitation energy spectra, $\sigma(\theta)$. ^{14}O deduced monopole and dipole strength distributions. Comparison with DWBA calculations. JOUR NUPAB 788 188c

2007TE09 NUCLEAR REACTIONS ^{1}H(^{13}N, ^{13}N), E(cm)=0.4-3.3 MeV; measured elastic scattering $\sigma(\theta)$ and fitted with R-matrix calculation. ^{14}O deduced levels, widths, J, π, spectroscopic factor. JOUR PYLBB 650 129

A=15

^{15}B 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{15}C 2007BO10 NUCLEAR REACTIONS ^{12,14}C(^{12}C, ^{9}C), E=231 MeV; measured particle spectra, σ(E, θ). ^{15,17}C deduced levels, J, π, configurations. JOUR ZAANE 31 279

A=15 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{15}N 2007DE47 NUCLEAR REACTIONS ^{2}H(^{18}F, p), (^{18}F, pα), E(cm)=1.4 MeV; measured particle energies and yields, cross sections and angular distributions. ^{19}F, Ne deduced level energies and decay widths. Discussed astrophysical implications. JOUR NUPAB 791 251

2007DEZZ NUCLEAR REACTIONS ^{2}H(^{18}F, p), (^{18}F, pα), E=14 MeV; measured Ep, Eα, $\sigma(\theta)$. ^{19}F deduced level energies, J, π, spectroscopic factors, analog states features. PREPRINT nucl-ex/0702034,2/16/2007

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007IO04 NUCLEAR REACTIONS ^{16}O(e, e'p), E=575 MeV; measured σ(E, θ), missing energy dependence. Comparison with model calculations. JOUR PYLBB 653 392

2007IOZZ NUCLEAR REACTIONS ^{16}O(e, e'p), E=575 MeV; measured missing energy spectra, σ(E, θ); deduced role of two-body currents, short-range correlations. PREPRINT nucl-ex/0703007,3/5/2007

A=15 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007RO17 NUCLEAR REACTIONS ^{12}N(^{7}Li, α), E=34 MeV; measured Eα, cross sections, angular distributions and analyzing powers. ^{15}N deduced levels, J, π. JOUR NIMBE 261 1005

^{15}O 2007CHZW NUCLEAR REACTIONS ^{18}F(p, α), E(cm)=663-877 keV; measured cross section and excitation function. Deduced interference effects and astrophysical S-factor. CONF Geneva(NIC-IX) 273

2007DEZT NUCLEAR REACTIONS ^{1}H(^{18}F, α), E=8.6-13.8 MeV; measured Eα in coincidence with ^{15}O. ^{18}F(p, α); deduced cross sections. CONF Geneva(NIC-IX) 005

2007IM02 NUCLEAR REACTIONS ^{14}N(p, γ), E not given; measured cross section at LUNA accelerator facility. JOUR PPNPD 59 193

2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

2007LE26 NUCLEAR REACTIONS ^{1}H(^{15}O, p), E=120 MeV; measured excitation function. ^{16}F deduced level widths. JOUR PRVCA 76 024314

A=15 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007RO17 NUCLEAR REACTIONS ^{12}N(^{7}Li, α), E=34 MeV; measured Eα, cross sections, angular distributions and analyzing powers. ^{15}N deduced levels, J, π. JOUR NIMBE 261 1005

2007TA13 RADIOACTIVITY ^{19}Ne(α) [from ^{19}F(^{3}He, t)]; measured Eα, Iα. ^{15}O(α, γ); deduced reaction rate at astrophysical energies. JOUR PRLTA 98 242503

2007TRZX NUCLEAR REACTIONS ^{14}N(p, γ), E=360, 380, 400 keV; measured Eγ, Iγ. Deduced s-factor. PREPRINT ArXiv:0708.3376v1 [nucl-ex]

A=16

^{16}C

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{16}N

2007FR11 RADIOACTIVITY ^{16}N(β^-); measured delayed α spectrum. Compared results to existing data. JOUR PRVCA 75 065802

2007FRZY RADIOACTIVITY ^{16}N(β^-) [from ^{2}H(^{15}N, p)]; measured β-delayed α spectra. Comparison with previous results. PREPRINT nucl-ex/0702018,2/8/2007

A=16 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007RE17 RADIOACTIVITY ^{16}N(β^-) [from ^{2}H(^{15}N, ^{16}N), E=82 MeV]; measured Eα, Iα, (particle)α-coin; deduced astrophysical S-factor. JOUR NUPAB 787 289c

^{16}O

2006FUZW NUCLEAR REACTIONS ^{4}He(^{16}O, α), E < 32.5 MeV; measured Eα, $\sigma(\theta)$. ^{20}Ne deduced resonance parameters. REPT CNS-REP-69,P37,Fujikawa

2007BE19 NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ, $\sigma(\theta)$. ^{6}He deduced radius, deformation parameters. ^{27}Al(^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E$\approx$7-45 MeV; analysed total σ. ^{6,7}Li, ^{9}Be, ^{16}O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30

2007BE45 NUCLEAR REACTIONS ^{12}C(^{6}Li, d), E=48.2 MeV; measured Ed, $\sigma(\theta)$ to first eleven states of ^{16}O; deduced level energies, widths, spectroscopic factors. DWBA analysis. ^{12}C(α, γ), E(cm)$\approx$ 0-3 MeV; analyzed σ; deduced resonance parameters. R-Matrix calculations. Astrophysical implications discussed. JOUR NUPAB 793 178

2007BE47 NUCLEAR REACTIONS ^{12}C, ^{16}O, ^{24}Mg, Fe(p, γ), e=5-25 meV; ^{12}C, ^{16}O, ^{24}Mg, Fe(α, γ), E=5-40 MeV; measured Eγ, Iγ, angular distributions, cross sections and excitation functions. Compared results to model calculations. JOUR PRVCA 76 034607

A=16 ***(continued)***

2007COZY	NUCLEAR REACTIONS ^{19}F(p, γ), (p, $\alpha\gamma$), E=200-800 keV; measured yields, resonance parameters and interference terms. CONF Geneva(NIC-IX) 082
2007FO10	NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1
2007FR11	RADIOACTIVITY ^{16}N(β^-); measured delayed α spectrum. Compared results to existing data. JOUR PRVCA 75 065802
2007FRZY	RADIOACTIVITY ^{16}N(β^-) [from ^{2}H(^{15}N, p)]; measured β-delayed α spectra. Comparison with previous results. PREPRINT nucl-ex/0702018,2/8/2007
2007FU09	NUCLEAR REACTIONS ^{4}He(^{14}O, X)^{16}O, E=32.7 MeV; measured yields and excitation function. JOUR PRVCA 76 021603
2007MAZX	NUCLEAR REACTIONS ^{12}C(α, γ), E(cm)=1.4, 1.6 MeV; measured Eγ, angular distribution from direct α capture. Deduced cross sections. CONF Geneva(NIC-IX) 136
2007NAZW	NUCLEAR REACTIONS ^{4}He(γ, X), E $<$ 50 MeV; ^{12}C(α, γ), E(cm)=1.4-1.6 MeV; ^{2}H, ^{62}Ni(n, γ), E= low; measured cross sections. CONF Tokai-mura (Nuclear Data) Proc,PIII.01,Nagai

A=16 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007PEZZ NUCLEAR REACTIONS ^{13}C(^{7}Li, t), E=28, 34 MeV; measured σ and angular distributions. ^{13}C(α, n); deduced Sα factor. CONF Geneva(NIC-IX) 161

2007RE17 RADIOACTIVITY ^{16}N(β^-) [from ^{2}H(^{15}N, ^{16}N), E=82 MeV]; measured Eα, Iα, (particle)α-coin; deduced astrophysical S-factor. JOUR NUPAB 787 289c

2007RU01 NUCLEAR REACTIONS ^{16}O(polarized ^{7}Li, ^{7}Li), E=42 MeV; measured $\sigma(\theta)$, tensor analyzing powers. ^{16}O(^{7}Li, ^{7}Li), (^{7}Li, ^{7}Li'), E(cm)=6.26-34.78 MeV; analyzed data; deduced parameters. ^{16}O(^{7}Li, t), E=15-38 MeV; calculated $\sigma(\theta)$. Coupled reaction channels method. JOUR PRVCA 75 024612

2007UK01 NUCLEAR REACTIONS ^{16}O(K$^-$, π^-), E at 0.93 GeV / c; measured Eγ, Iγ from decaying hypernucleus. ^{16}O deduced hypernucleus levels, J, π. Hyperball array. JOUR ZAANE 33 247

2007ZY01 NUCLEAR REACTIONS ^{4}He(^{12}C, γ), E=1.068 MeV / nucleon; measured beam and recoil charge state distributions. JOUR NIMBE 254 17

^{16}F 2007LE26 NUCLEAR REACTIONS ^{1}H(^{15}O, p), E=120 MeV; measured excitation function. ^{16}F deduced level widths. JOUR PRVCA 76 024314

A=17

^{17}C	2007BO10	NUCLEAR REACTIONS ^{12,14}C(^{12}C, ^{9}C), E=231 MeV; measured particle spectra, σ(E, θ). ^{15,17}C deduced levels, J, π, configurations. JOUR ZAANE 31 279
	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=17 ***(continued)***

^{17}N	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007RI15	NUCLEAR REACTIONS Pb(p, X)^{17}N / ^{87}Br / ^{88}Br, E=1 GeV; measured delayed neutron yields and precursor production cross sections. JOUR ZAANE 32 1
^{17}O	2007MU15	RADIOACTIVITY ^{19}Ne(2p) [from ^{9}Be(^{20}Mg, ^{19}Mg), E=450 meV / nucleon]; measured Ep, Ip, (^{17}Ne)p-coinc, angular correlations. ^{19}Ne deduced $T_{1/2}$, 2p-decay Q-value. JOUR PRLTA 99 182501

A=17 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007PEZZ NUCLEAR REACTIONS ^{13}C(^{7}Li, t), E=28, 34 MeV; measured σ and angular distributions. ^{13}C(α, n); deduced Sα factor. CONF Geneva(NIC-IX) 161

2007ZH03 RADIOACTIVITY ^{17}F(β^{+}), (EC) [from ^{16}O(d, n)]; measured β-NMR spectra from polarized source. ^{17}F deduced quadrupole moment, halo features. JOUR JPGPE 34 523

^{17}F 2007BE47 NUCLEAR REACTIONS ^{12}C, ^{16}O, ^{24}Mg, Fe(p, γ), e=5-25 meV; ^{12}C, ^{16}O, ^{24}Mg, Fe(α, γ), E=5-40 MeV; measured Eγ, Iγ, angular distributions, cross sections and excitation functions. Compared results to model calculations. JOUR PRVCA 76 034607

A=17 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007ZH03 RADIOACTIVITY ^{17}F(β^{+}), (EC) [from ^{16}O(d, n)]; measured β-NMR spectra from polarized source. ^{17}F deduced quadrupole moment, halo features. JOUR JPGPE 34 523

A=18

^{18}C 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{18}N 2007BU01 RADIOACTIVITY ^{18}N(β^-); measured β-delayed Eα, $\beta\alpha$-coin. ^{18}O deduced level energies, J, π, widths. Astrophysical implications discussed. JOUR PRVCA 75 012804

2007LO05 RADIOACTIVITY ^{18}N(β^-); measured β-delayed neutron spectra. ^{18}O; deduced level energies, J, π. Deduced B(GT), compared to shell model calculations. JOUR PRVCA 75 057302

A=18 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{18}O 2007BU01 RADIOACTIVITY ^{18}N(β^-); measured β-delayed Eα, $\beta\alpha$-coin. ^{18}O deduced level energies, J, π, widths. Astrophysical implications discussed. JOUR PRVCA 75 012804

2007LO05 RADIOACTIVITY ^{18}N(β^-); measured β-delayed neutron spectra. ^{18}O; deduced level energies, J, π. Deduced B(GT), compared to shell model calculations. JOUR PRVCA 75 057302

A=18 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007RU04 NUCLEAR REACTIONS ^{7}Li(^{18}O, ^{18}O), (^{18}O, ^{18}O'), E=114 MeV; measured elastic and inelastic $\sigma(\theta)$; deduced potential parameters, scattering mechanism features. ^{18}O deduced deformation parameters. Optical model and coupled-reaction-channels analysis. JOUR NUPAB 785 293

^{18}F

2007CH25 NUCLEAR REACTIONS ^{14}N(α, γ), E=1620-1775 keV; measured Eγ, Iγ; deduced resonance parameters. ^{17}O(p, α), E=194-204 keV; measured Eα, σ(E, θ); deduced resonance energy, strength. Astrophysical implications discussed. JOUR PRVCA 75 035810

2007GR18 RADIOACTIVITY ^{18}Ne(β^{+}); measured β-delayed γ-decays, $T_{1/2}$. JOUR PRVCA 76 025503

2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

2007LEZY NUCLEAR REACTIONS ^{18}F(α, p), E(cm)=1.4-2.3 MeV; measured excitation function. ^{21}Ne(p, α), E=2.5-3.5 MeV; measured cross section. CONF Geneva(NIC-IX) 131

A=18 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007ZE06 NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501

2007ZEZZ NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

2007ZI03 NUCLEAR REACTIONS ^{12}C(^{17}O, ^{18}F)^{11}B, E=45 MeV / nucleon; measured Eγ, Iγ. ^{18}F deduced B(E1), B(E2). JOUR NIMAE 579 476

^{18}Ne 2006SK09 NUCLEAR REACTIONS ^{1}H(^{18}Ne, p), E=56 MeV; measured Ep, $\sigma(\theta)$, elastic scattering excitation function. ^{19}Na deduced resonance energy, J, π. Astrophysical implications discussed. JOUR PANUE 69 1979

2007GR18 RADIOACTIVITY ^{18}Ne(β^{+}); measured β-delayed γ-decays, T$_{1/2}$. JOUR PRVCA 76 025503

A=19

^{19}N 2007CA28 NUCLEAR REACTIONS ^{12}C(^{8}He, p), E=154 MeV / nucleon; measured particle energies and excitation energy distributions. ^{7}H deduced resonance energies. JOUR PRLTA 99 062502

A=19 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=19 ***(continued)***

^{19}O	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{19}F	2007DE47	NUCLEAR REACTIONS ^{2}H(^{18}F, p), (^{18}F, pα), E(cm)=1.4 MeV; measured particle energies and yields, cross sections and angular distributions. ^{19}F, Ne deduced level energies and decay widths. Discussed astrophysical implications. JOUR NUPAB 791 251
	2007DEZZ	NUCLEAR REACTIONS ^{2}H(^{18}F, p), (^{18}F, pα), E=14 MeV; measured Ep, Eα, $\sigma(\theta)$. ^{19}F deduced level energies, J, π, spectroscopic factors, analog states features. PREPRINT nucl-ex/0702034,2/16/2007
	2007FO10	NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

A=19 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{19}Ne 2007HOZY NUCLEAR REACTIONS ^{17}O(^{3}He, n), E=4.2 MeV; measured σ using the NTOF technique. CONF Geneva(NIC-IX) 119

2007MU15 RADIOACTIVITY ^{19}Ne(2p) [from ^{9}Be(^{20}Mg, ^{19}Mg), E=450 meV / nucleon]; measured Ep, Ip, (^{17}Ne)p-coinc, angular correlations. ^{19}Ne deduced $T_{1/2}$, 2p-decay Q-value. JOUR PRLTA 99 182501

A=19 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007TA13 RADIOACTIVITY ^{19}Ne(α) [from ^{19}F(^{3}He, t)]; measured Eα, Iα. ^{15}O(α, γ); deduced reaction rate at astrophysical energies. JOUR PRLTA 98 242503

2007TAZX NUCLEAR REACTIONS ^{19}F(^{3}He, t), E=24 MeV; measured α-decay branching ratio for the astrophysically important 4.03 MeV state. ^{15}O(α, γ); deduced reaction rate. CONF Geneva(NIC-IX) 023

^{19}Na 2006SK09 NUCLEAR REACTIONS ^{1}H(^{18}Ne, p), E=56 MeV; measured Ep, $\sigma(\theta)$, elastic scattering excitation function. ^{19}Na deduced resonance energy, J, π. Astrophysical implications discussed. JOUR PANUE 69 1979

A=20

^{20}N 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=20 ***(continued)***

^{20}O 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=20 ***(continued)***

^{20}F	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007UB01	NUCLEAR REACTIONS ^{19}F(n, γ), E=spectrum; measured Eγ, Iγ, Maxwellian averaged σ. Astrophysical implications discussed. JOUR PRVCA 75 035801
	2007UBZZ	NUCLEAR REACTIONS ^{19}F(n, γ), E=spectrum; measured yield, cross section using activation technique. CONF Geneva(NIC-IX) 186
	2007WI09	RADIOACTIVITY ^{20}F(β^-); measured Eβ, Eγ, Eα. Deduced first forbidden decay branching ratios. JOUR PRVCA 76 018501
^{20}Ne	2006FUZW	NUCLEAR REACTIONS ^{4}He(^{16}O, α), E < 32.5 MeV; measured Eα, $\sigma(\theta)$. ^{20}Ne deduced resonance parameters. REPT CNS-REP-69,P37,Fujikawa
	2006TAZU	NUCLEAR REACTIONS ^{24}Mg(e, e'α), E=199.31 MeV; measured energy and angular distributions; deduced strength distribution for individual multipolarities. JOUR KKYHB 39 21
	2007BE47	NUCLEAR REACTIONS ^{12}C, ^{16}O, ^{24}Mg, Fe(p, γ), e=5-25 meV; ^{12}C, ^{16}O, ^{24}Mg, Fe(α, γ), E=5-40 MeV; measured Eγ, Iγ, angular distributions, cross sections and excitation functions. Compared results to model calculations. JOUR PRVCA 76 034607
	2007COZY	NUCLEAR REACTIONS ^{19}F(p, γ), (p, $\alpha\gamma$), E=200-800 keV; measured yields, resonance parameters and interference terms. CONF Geneva(NIC-IX) 082

A=20 ***(continued)***

`2007NO13` NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

`2007RU01` NUCLEAR REACTIONS ^{16}O(polarized ^{7}Li, ^{7}Li), E=42 MeV; measured $\sigma(\theta)$, tensor analyzing powers. ^{16}O(^{7}Li, ^{7}Li), (^{7}Li, ^{7}Li'), E(cm)=6.26-34.78 MeV; analyzed data; deduced parameters. ^{16}O(^{7}Li, t), E=15-38 MeV; calculated $\sigma(\theta)$. Coupled reaction channels method. JOUR PRVCA 75 024612

`2007SP03` NUCLEAR REACTIONS ^{12}C(^{12}C, p), (^{12}C, α), E=2.1-4.75 MeV; measured Eγ, Iγ; deduced σ, astrophysical S-factors, resonance features. JOUR PRLTA 98 122501

`2007SPZZ` NUCLEAR REACTIONS ^{12}C(^{12}C, p), (^{12}C, α), E=2.10-4.75; measured Eγ, Iγ; deduced astrophysical S-factors, resonance features. PREPRINT nucl-ex/0702023,2/9/2007

`2007WI09` RADIOACTIVITY ^{20}F(β^{-}); measured Eβ, Eγ, Eα. Deduced first forbidden decay branching ratios. JOUR PRVCA 76 018501

^{20}Na `2007MUZZ` NUCLEAR REACTIONS ^{20}Na(p, p), E(cm)$<$ 1.6 MeV; measured σ, excitation function in inverse kinematics using the resonant elastic scattering. ^{21}Mg; deduced level energies and proton decay widths. CONF Geneva(NIC-IX) 146

^{20}Mg `2007GA38` NUCLEAR REACTIONS ^{9}B(^{22}Mg, X)^{20}Mg, E=150 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{20}Mg deduced level energy and mass excess. JOUR PRVCA 76 024317

A=21

^{21}N

2007NO013 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SU05 RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, $T_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

A=21 *(continued)*

^{21}O

`2007NO13` NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

`2007SU05` RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, T$_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

A=21 *(continued)*

^{21}F	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{21}Ne	2007LEZY	NUCLEAR REACTIONS ^{18}F(α, p), E(cm)=1.4-2.3 MeV; measured excitation function. ^{21}Ne(p, α), E=2.5-3.5 MeV; measured cross section. CONF Geneva(NIC-IX) 131

A=21 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{21}Na 2006FAZY NUCLEAR REACTIONS ^{20}Ne(p, γ), E=600-1400 keV; measured Eγ, Iγ; deduced σ, resonance strength. Comparison with previous results. REPT GSI 2006-1,P155,Falahat

A=21 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{21}Mg 2007MUZZ NUCLEAR REACTIONS ^{20}Na(p, p), E(cm)< 1.6 MeV; measured σ, excitation function in inverse kinematics using the resonant elastic scattering. ^{21}Mg; deduced level energies and proton decay widths. CONF Geneva(NIC-IX) 146

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^{22}O	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{22}F	2007LE28	NUCLEAR REACTIONS ^{9}Be(^{14}C, p), E=22 MeV; measured Eγ, Iγ, $\gamma\gamma$, (p)γ-coinc.^{22}F deduced levels, J, π. JOUR PRVCA 76 034308

A=22 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SU05 RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, $T_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

^{22}Ne 2005NIZS NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg

2006INZY RADIOACTIVITY ^{22}Na(EC); measured Auger electron spectra. REPT JINR-E6-2006-106,Inoyatov

A=22 ***(continued)***

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{22}Na 2006INZY RADIOACTIVITY ^{22}Na(EC); measured Auger electron spectra. REPT JINR-E6-2006-106,Inoyatov

2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=22 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{22}Mg 2007CLZZ ATOMIC MASSES ^{22}Mg; measured masses using Canadian penning trap and the Yale spectrograph. ^{26}Si; measured mass using the Yale spectrograph. CONF Geneva(NIC-IX) 081

2007GR11 NUCLEAR REACTIONS ^{1}H(^{21}Na, γ), E=1.18 MeV / nucleon; measured Eγ, Iγ, yields. ^{1}H(^{7}Be, X), E=4-27 MeV; measured elastic and inelastic scattering σ. JOUR NIMBE 261 1089

2007JE03 NUCLEAR REACTIONS ^{12}C(^{12}C, 2n), E=50 MeV; measured Eγ, Iγ. ^{22}Mg deduced level energies. JOUR NIMBE 261 945

A=23

^{23}N 2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

^{23}O 2006SCZV NUCLEAR REACTIONS Be(^{26}Ne, X), E=86 MeV / nucleon; measured En, charged particle spectra, (fragment)n-coin. ^{23}O deduced excited state energy. PREPRINT nucl-ex/0612024,12/21/2006

2007EL02 NUCLEAR REACTIONS ^{2}H(^{22}O, ^{23}O), E=34 MeV / nucleon; measured excitation energy spectrum. ^{23}O deduced resonance energies, neutron shell features. JOUR PRLTA 98 102502

A=23 ***(continued)***

2007ELZZ NUCLEAR REACTIONS ^{2}H(^{22}O, ^{23}O), E=34 MeV / nucleon; measured excitation energy spectrum. ^{23}O deduced resonance energies, neutron shell features. REPT RIKEN-NC-NP-4,Elekes

2007FRZW NUCLEAR REACTIONS Be(^{26}Ne, n2p)^{23}O, E=86 MeV / nucleon; measured decay energy spectra. PREPRINT ArXiv:0708.2706v1 [nucl-ex]

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SC32 NUCLEAR REACTIONS Be(^{26}Ne, n2p), E=86 MeV / nucleon; measured neutron decay energy spectrum, fragment-neutron-coinc. ^{23}O deduced level energy, spectroscopic factor. JOUR PRLTA 99 112501

2007SU05 RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, T$_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

^{23}F

2007KWZZ NUCLEAR REACTIONS ^{9}Be, Ni, ^{181}Ta(^{40}Ar, X)^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{29}F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan

A=23 ***(continued)***

2007MI25 — NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E$\approx$35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c

2007NO13 — NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SU05 — RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, $T_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

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^{23}Ne	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{23}Na	2006KA65	NUCLEAR REACTIONS ^{22}Ne(p, γ), E=0.8-2.5 MeV; measured Eγ, Iγ, excitation function, angular distribution; deduced resonance structure. JOUR BRSPE 70 860
	2007DE55	NUCLEAR REACTIONS ^{26}Al(n, α), E<100 keV; measured cross-sections. ^{27}Al deduced resonance energies, widths, areas and spins.^{26}Al deduced galactic abundance. JOUR PRVCA 76 045804
	2007FO10	NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

A=23 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SP03 NUCLEAR REACTIONS ^{12}C(^{12}C, p), (^{12}C, α), E=2.1-4.75 MeV; measured Eγ, Iγ; deduced σ, astrophysical S-factors, resonance features. JOUR PRLTA 98 122501

2007SPZZ NUCLEAR REACTIONS ^{12}C(^{12}C, p), (^{12}C, α), E=2.10-4.75; measured Eγ, Iγ; deduced astrophysical S-factors, resonance features. PREPRINT nucl-ex/0702023,2/9/2007

A=23 ***(continued)***

^{23}Mg 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{23}Al 2007GOZV NUCLEAR REACTIONS ^{208}Pb(^{23}Al, p^{22}Mg), E=48.4 MeV / nucleon; measured particle energies, emission angles, Eγ, Iγ, (particle)γ-coinc, σ. ^{22}Mg(p, γ); deduced reaction rate. REPT RIKEN-NC-NP-14,Gomi

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^{24}O 2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=24 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{24}F 2007KWZZ NUCLEAR REACTIONS ^{9}Be, Ni, ^{181}Ta(^{40}Ar, X)^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{29}F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan

A=24 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SU05 RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, $T_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

A=24 ***(continued)***

^{24}Ne	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007SU05	RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, T$_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305
^{24}Na	2006ARZX	NUCLEAR REACTIONS ^{27}Al(n, α), E=14 MeV; ^{144}Sm, ^{206,208}Pb(n, 2n), E=14 MeV; measured isomer production σ. REPT JAEA-Conf 2006-009,P89,Arakita
	2007CO18	NUCLEAR REACTIONS ^{25}Mg(γ, p), E not given; measured Eγ, Iγ from isomeric decay. JOUR NIMBE 261 822
	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=24 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007TI03 NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

2007ZE04 NUCLEAR REACTIONS Be(^{18}O, tX), E=120 MeV / nucleon; Be(^{16}O, tX), E=150 MeV / nucleon; measured triton yield vs energy, target thickness. ^{24,26}Mg(t, ^{3}He), E=115 MeV / nucleon; measured excitation energy spectrum. ^{26}Mg(^{3}He, t), E=140 MeV / nucleon; analyzed excitation energy spectrum. ^{26}Na, ^{26}Al deduced Gamow-Teller strength distribution. Comparison with other results, shell model predictions. JOUR NUPAB 788 61c

^{24}Mg 2005NIZS NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg

A=24 ***(continued)***

2006VA20 NUCLEAR REACTIONS ^{28}Si(p, p'X)^{24}Mg, E=1 GeV; measured Eγ, Ep, pγ-coin; deduced σ, reaction mechanism features. JOUR JTPLA 83 433

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007JE08 NUCLEAR REACTIONS ^{12}C(^{12}C, γ), E(cm)=6.0, 6.8, 7.5, 8.0 MeV; measured Eγ, Iγ, $\gamma\gamma$, (recoil)γ-coin; deduced multipolarities, on and off resonances. TRIUMF-ISAC DRAGON recoil spectrometer, GEANT3 array. JOUR PRVCA 76 044310

2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, pν), (μ^-, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007VA10 NUCLEAR REACTIONS ^{28}Si(p, X)^{24}Mg, E=1 GeV; measured Eγ, Iγ, σ. JOUR PANUE 70 1160

A=25

^{25}F

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

2007KWZZ NUCLEAR REACTIONS ^{9}Be, Ni, ^{181}Ta(^{40}Ar, X)^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{29}F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{25}Ne

2006OB05 NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305

2007FE09 NUCLEAR REACTIONS ^{2}H(^{24}Ne, x), E=10 MeV / nucleon; measured Eγ, (particle)γ-coinc using EXOGAM. ^{25}Ne; deduced level energies, J, π and spectroscopic factors. JOUR PPNPD 59 389

A=25 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{25}Na 2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^{-}, ν), (μ^{-}, nν), (μ^{-}, 2nν), (μ^{-}, 3nν), (μ^{-}, pν), (μ^{-}, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=25 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007VI11 NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

^{25}Mg 2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^{-}, ν), (μ^{-}, nν), (μ^{-}, 2nν), (μ^{-}, 3nν), (μ^{-}, pν), (μ^{-}, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=25 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{25}Al 2006PEZV NUCLEAR REACTIONS ^{1}H(^{25}Al, p), E=3.43 MeV / nucleon; measured Ep. REPT CNS-REP-69,P8,Pearson

2007BE47 NUCLEAR REACTIONS ^{12}C, ^{16}O, ^{24}Mg, Fe(p, γ), e=5-25 meV; ^{12}C, ^{16}O, ^{24}Mg, Fe(α, γ), E=5-40 MeV; measured Eγ, Iγ, angular distributions, cross sections and excitation functions. Compared results to model calculations. JOUR PRVCA 76 034607

2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^{-}, ν), (μ^{-}, nν), (μ^{-}, 2nν), (μ^{-}, 3nν), (μ^{-}, pν), (μ^{-}, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=25 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=26

^{26}F 2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

2007KWZZ NUCLEAR REACTIONS ^{9}Be, Ni, ^{181}Ta(^{40}Ar, X)^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{29}F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan

A=26 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{26}Ne 2006OB05 NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305

2007GI13 NUCLEAR REACTIONS Al, Pb(^{26}Ne, X), E=58 MeV / nucleon; measured Eγ, Iγ, En, In, excitation energy spectra, σ, $\sigma(\theta)$. ^{26}Ne deduced B(E1), pygmy resonance parameters. Comparison with quasi-particle RPA calculations. JOUR NUPAB 788 153c

2007GIZY NUCLEAR REACTIONS Pb(^{26}Ne, ^{26}Ne'), E=54 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin, σ(E, θ). ^{26}Ne deduced transition B(E2). REPT RIKEN-NC-NP-5,Gibelin

A=26 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SU05 RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, T$_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

^{26}Na 2006OB05 NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305

2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, pν), (μ^-, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=26 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007SU05 RADIOACTIVITY ^{23}O, ^{21}N, ^{24}F, ^{26}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\beta\gamma$-coin, T$_{1/2}$. ^{23}O(β^-n); measured β-delayed neutron spectra; deduced neutron emission probability. ^{23}F, ^{26}Na deduced levels, J, π, β-feeding intensities. JOUR PRVCA 75 024305

2007VI11 NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

2007ZE04 NUCLEAR REACTIONS Be(^{18}O, tX), E=120 MeV / nucleon; Be(^{16}O, tX), E=150 MeV / nucleon; measured triton yield vs energy, target thickness. ^{24,26}Mg(t, ^{3}He), E=115 MeV / nucleon; measured excitation energy spectrum. ^{26}Mg(^{3}He, t), E=140 MeV / nucleon; analyzed excitation energy spectrum. ^{26}Na, ^{26}Al deduced Gamow-Teller strength distribution. Comparison with other results, shell model predictions. JOUR NUPAB 788 61c

A=26 *(continued)*

^{26}Mg	2005NIZS	NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg
	2007FO10	NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1
	2007GRZY	NUCLEAR REACTIONS ^{24}Mg(^{12}C, ^{10}C), E=53, 95 MeV / nucleon; measured Ep, Eα, 2p2α correlation functions for decay of the excited states. PREPRINT arXiv.0706.4414v1 [nucl-ex]
	2007ME18	NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^{-}, ν), (μ^{-}, nν), (μ^{-}, 2nν), (μ^{-}, 3nν), (μ^{-}, pν), (μ^{-}, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=26 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007TA27 NUCLEAR REACTIONS ^{26}Mg, ^{48}Ca(p, p'), E=295 MeV; measured excitation energy spectrum. ^{12}C(p, p'), E=295 MeV; calculated $\sigma(\theta)$. DWIA method. JOUR NUPAB 788 53c

2007UG01 NUCLEAR REACTIONS ^{22}Ne(^{6}Li, d), E=30 MeV; measured deuteron energy spectra. ^{26}Mg deduced level energies. JOUR PRVCA 76 025802

^{26}Al 2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta, \mathrm{E})$ from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007HE13 NUCLEAR REACTIONS ^{14}N(^{16}O, α), E(cm)=7-12 MeV; measured cross section using accelerator mass spectrometry. JOUR NIMBE 259 629

2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, pν), (μ^-, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=26 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007ZE04 NUCLEAR REACTIONS Be(^{18}O, tX), E=120 MeV / nucleon; Be(^{16}O, tX), E=150 MeV / nucleon; measured triton yield vs energy, target thickness. ^{24,26}Mg(t, ^{3}He), E=115 MeV / nucleon; measured excitation energy spectrum. ^{26}Mg(^{3}He, t), E=140 MeV / nucleon; analyzed excitation energy spectrum. ^{26}Na, ^{26}Al deduced Gamow-Teller strength distribution. Comparison with other results, shell model predictions. JOUR NUPAB 788 61c

2007ZE06 NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501

2007ZEZZ NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

^{26}Si 2006KWZZ NUCLEAR REACTIONS ^{28}Si(α, ^{6}He), E=120 MeV; measured σ(E, θ). ^{26}Si deduced level energies. REPT CNS-REP-69,P3,Kwon

2007CLZZ ATOMIC MASSES ^{22}Mg; measured masses using Canadian penning trap and the Yale spectrograph. ^{26}Si; measured mass using the Yale spectrograph. CONF Geneva(NIC-IX) 081

2007KWZY NUCLEAR REACTIONS ^{28}Si(α, ^{6}He), E=120 MeV; measured Eα and angular distributions. ^{26}Si; deduced levels, J, π. CONF Geneva(NIC-IX) 024

A=26 *(continued)*

2007SE02 NUCLEAR REACTIONS ^{12}C(^{16}O, 2n), E=58 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using the Gammasphere. ^{26}Si deduced levels, J, π. Compared results to model calculations and discussed astrophysical implications. JOUR PRVCA 75 062801

A=27

^{27}F 2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

2007KWZZ NUCLEAR REACTIONS ^{9}Be, Ni, ^{181}Ta(^{40}Ar, X)^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{29}F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{27}Ne 2006OB05 NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305

A=27 ***(continued)***

2007GI08 NUCLEAR REACTIONS ^{1}H(^{8}He, ^{8}He), (^{8}He, d), (^{8}He, t), E=15.7, 61.3 MeV / nucleon; analyzed $\sigma(\theta)$. Coupled reaction channel calculations, DWBA analysis. ^{2}H(^{26}Ne, p), E=9.7 MeV / nucleon; measured fragment yield, Eγ, Iγ, (particle)γ-coin. ^{27}Ne deduced levels, J, π. Exogam array, Vamos spectrometer. JOUR NUPAB 787 423c

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{27}Na 2006OB05 NUCLEAR REACTIONS ^{2}H(^{26}Ne, ^{26}Ne'), (^{26}Ne, ^{25}Ne), (^{26}Ne, ^{27}Ne), (^{26}Ne, ^{26}Na), (^{26}Ne, ^{27}Na), E=9.7 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{25,26,27}Ne, ^{26,27}Na deduced levels, J, π. Exogam array, Vamos spectrometer, comparison with previous results and model predictions. JOUR PRVCA 74 064305

A=27 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007VI11 NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

^{27}Mg 2006KO55 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167

2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, pν), (μ^-, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=27 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{27}Al 2006KO55 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167

2007BE19 NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ, $\sigma(\theta)$. ^{6}He deduced radius, deformation parameters. ^{27}Al(^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E≈7-45 MeV; analysed total σ. ^{6,7}Li, ^{9}Be, ^{16}O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30

2007DE55 NUCLEAR REACTIONS ^{26}Al(n, α), E<100 keV; measured cross-sections. ^{27}Al deduced resonance energies, widths, areas and spins.^{26}Al deduced galactic abundance. JOUR PRVCA 76 045804

2007FE13 NUCLEAR REACTIONS ^{27}Al(^{6}Li, ^{6}Li), E=7, 8, 10, 12, 18 MeV; ^{27}Al(^{7}Li, ^{7}Li), E=6, 7, 8, 9, 10, 11, 12, 14, 16, 18 MeV; measured $\sigma(\theta)$. Optical model analysis, several potentials compared. Breakup threshold anomaly discussed. JOUR NUPAB 787 484c

2007FI01 NUCLEAR REACTIONS ^{27}Al(^{6}Li, ^{6}Li), E=7, 8, 10, 12, 18 MeV; measured $\sigma(\theta)$; deduced breakup threshold anomaly, optical model parameters. Woods-Saxon optical potential, double-folding Sao Paolo potential. JOUR PRVCA 75 017602

A=27 ***(continued)***

2007FIZZ NUCLEAR REACTIONS ^{27}Al(^{6}Li, ^{6}Li), E=7-18 MeV; ^{27}Al(^{7}Li, ^{7}Li), E=6-18 MeV; measured $\sigma(\theta)$ near the Coulomb barrier. CONF Iguazu(Nuclear Physics and Applications) Proc,P185,Figueira

2007FO10 NUCLEAR REACTIONS ^{27}Al(^{12}C, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / ^{26}Al / ^{27}Al / Si, E=156 MeV; ^{12}C(^{27}Al, X)^{7}Be / ^{9}Be / ^{10}B / ^{11}B / ^{11}C / ^{12}C / ^{13}C / ^{13}N / ^{14}N / ^{15}N / ^{16}O / ^{19}F / ^{22}Ne / ^{23}Na / ^{24}Mg / ^{26}Mg / Si, E=348 MeV; measured intermediate mass fragment spectra, $\sigma(\theta$, E) from fusion and fragmentation. Comparison with Boltzmann Master Equations theory. JOUR NUPAB 797 1

2007LE24 NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11, 12, 13.4 MeV; ^{51}V(^{8}Li, ^{8}Li), E=26 MeV; measured $\sigma(\theta)$. Comparison with optical model. ^{27}Al, ^{64}Zn(^{6}He, ^{6}He), (^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E$\approx$5-25 MeV; analyzed σ. Comparison with other data. Secondary radioactive beam. JOUR NUPAB 787 94c

2007LU14 NUCLEAR REACTIONS ^{27}Al(^{7}Li, ^{7}Li'), (^{7}Li, ^{6}Li), E=6-18 MeV; measured elastic and one neutron transfer cross sections and angular distributions. Deduced dynamic polarization potential. JOUR NUPAB 791 24

2007MA58 NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^{-}, ν), (μ^{-}, nν), (μ^{-}, 2nν), (μ^{-}, 3nν), (μ^{-}, pν), (μ^{-}, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=27 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=27 *(continued)*

^{27}Si 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007RUZZ NUCLEAR REACTIONS ^{1}H(^{26}Al, γ), E=150-1800 keV / nucleon; measured recoils in coincidence with γ at DRAGON. ^{26}Al(p, γ); deduced resonance strength and energy. CONF Geneva(NIC-IX) 004

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^{28}Ne 2006FAZX RADIOACTIVITY ^{28,29,30}Ne; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{28,29,30}Ne deduced level, J, π. CONF Tokyo(SENUF 06),P165,Fallon

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=28 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{28}Na 2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

A=28 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{28}Mg 2005NIZS NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg

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2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{28}Al 2006GE20 NUCLEAR REACTIONS B, C, ^{27}Al, Cu, ^{115}In(polarized n, γ), E=low; measured Eγ, I$\gamma(\theta)$; deduced upper bounds on parity-violating γ-ray asymmetry. JOUR PRVCA 74 065503

2007LU14 NUCLEAR REACTIONS ^{27}Al(^{7}Li, ^{7}Li'), (^{7}Li, ^{6}Li), E=6-18 MeV; measured elastic and one neutron transfer cross sections and angular distributions. Deduced dynamic polarization potential. JOUR NUPAB 791 24

2007ME18 NUCLEAR REACTIONS ^{27}Al, ^{28}Si(μ^{-}, ν), (μ^{-}, nν), (μ^{-}, 2nν), (μ^{-}, 3nν), (μ^{-}, pν), (μ^{-}, npν), E not given; measured Eγ, Iγ, yields. JOUR PRVCA 76 035504

A=28 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007TA25 NUCLEAR REACTIONS ^{7}Li, ^{12}C, ^{28}Si(e, e'K^{+}), E not given; measured missing mass spectra. ^{7}He, ^{12}B, ^{28}Al deduced hypernucleus levels. JOUR NUPAB 790 679c

^{28}Si 2006BR31 NUCLEAR REACTIONS ^{28}Si(^{6}Li, dα), E=47 MeV; measured Ed, Eα, dα-coin, angular correlations. ^{28}Si, ^{32}S deduced excited states energies. JOUR PHSTB 74 692

2007BE47 NUCLEAR REACTIONS ^{12}C, ^{16}O, ^{24}Mg, Fe(p, γ), e=5-25 meV; ^{12}C, ^{16}O, ^{24}Mg, Fe(α, γ), E=5-40 MeV; measured Eγ, Iγ, angular distributions, cross sections and excitation functions. Compared results to model calculations. JOUR PRVCA 76 034607

2007KW02 NUCLEAR REACTIONS ^{28}Si(α, α), E=120 MeV; measured cross sections and angular distributions. Deduced optical potential parameters. JOUR KPSJA 51 1635

A=28 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{28}P 2007WA10 NUCLEAR REACTIONS ^{28}Si(polarized p, n), E=198 MeV; measured excitation energy spectrum, σ; analysed spin-longitudinal and spin-transverse polarized σ. Distorted-wave impulse approximation. JOUR PYLBB 645 402

^{28}S 2007BU15 NUCLEAR REACTIONS C(^{40}Ca, X)^{36}Ca / ^{32}Ar / ^{28}S, E=95 MeV / nucleon; measured Eγ, Iγ. Deduced level energies. JOUR APOBB 38 1353

A=29

^{29}F 2007KWZZ NUCLEAR REACTIONS ^{9}Be, Ni, ^{181}Ta(^{40}Ar, X)^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{29}F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan

^{29}Ne 2006FAZX RADIOACTIVITY ^{28,29,30}Ne; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{28,29,30}Ne deduced level, J, π. CONF Tokyo(SENUF 06),P165,Fallon

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=29 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{29}Na 2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

A=29 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{29}Mg 2006KO55 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167

A=29 ***(continued)***

	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{29}Al	2006KO55	RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167
	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=29 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007VI11 NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

A=29 ***(continued)***

^{29}Si	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=29 *(continued)*

^{29}P — `2007NO13` — NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=30

^{30}Ne — `2006FAZX` — RADIOACTIVITY ^{28,29,30}Ne; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{28,29,30}Ne deduced level, J, π. CONF Tokyo(SENUF 06),P165,Fallon

`2007JU03` — ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

`2007TR08` — RADIOACTIVITY ^{30}Ne(β^-) [from Be(^{48}Ca, X), E=140 MeV / nucleon]; measured Eγ, Iγ, $\beta\gamma$-coinc, $T_{1/2}$. ^{30}Na deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021301

`2007TRZZ` — RADIOACTIVITY ^{30}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\gamma\gamma$-, $\beta\gamma$-coin, $T_{1/2}$; deduced log ft. ^{30}Na deduced levels, J, π. Comparison with model predictions. PREPRINT nucl-ex/0703015,3/8/2007

A=30 ***(continued)***

^{30}Na	2006FUZX	NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui
	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007TR08	RADIOACTIVITY ^{30}Ne(β^-) [from Be(^{48}Ca, X), E=140 MeV / nucleon]; measured Eγ, Iγ, $\beta\gamma$-coinc, T$_{1/2}$. ^{30}Na deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021301
	2007TRZZ	RADIOACTIVITY ^{30}Ne(β^-) [from Be(^{48}Ca, X)]; measured Eγ, Iγ, $\gamma\gamma$-, $\beta\gamma$-coin, T$_{1/2}$; deduced log ft. ^{30}Na deduced levels, J, π. Comparison with model predictions. PREPRINT nucl-ex/0703015,3/8/2007

A=30 ***(continued)***

^{30}Mg

2005NIZS NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg

2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

2007MA04 RADIOACTIVITY ^{32}Na(β^-), (β^-n), (β^-2n) [from Ta(p, X)]; measured Eγ, Iγ, $\gamma\gamma$-, $\beta\gamma$-coin. ^{32}Mg deduced levels, J, π. ^{30,31}Mg deduced transitions. JOUR PRVCA 75 017302

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=30 ***(continued)***

^{30}Al 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=30 ***(continued)***

^{30}Si 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=30 ***(continued)***

^{30}P	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
	2007RA20	NUCLEAR REACTIONS ^{16}O(^{16}O, np), E=40 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, polarization assymetry. ^{30}P deduced levels, J, π, branching ratios. JOUR PRVCA 76 034315
^{30}S	2007BA69	NUCLEAR REACTIONS ^{32}S(p, t), E=37 MeV; measured triton energies, angular distributions. ^{30}S deduced levels, J, π. ^{29}P(p, γ)^{30}S; deduced reaction rates of astrophysical significance. JOUR PRVCA 76 045803
	2007GA46	NUCLEAR REACTIONS ^{1}H, ^{12}C(^{31}S, X), E=71 MeV / nucleon; measured Eγ, Iγ. ^{30}S deduced levels. JOUR NUPAB 788 381c

A=31

^{31}Ne	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=31 ***(continued)***

^{31}Na	2006FUZX	NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{31}Mg	2006FUZX	NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui
	2006KO55	RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167

A=31 ***(continued)***

	2007MA04	RADIOACTIVITY ^{32}Na(β^-), (β^-n), (β^-2n) [from Ta(p, X)]; measured Eγ, Iγ, $\gamma\gamma$-, $\beta\gamma$-coin. ^{32}Mg deduced levels, J, π. ^{30,31}Mg deduced transitions. JOUR PRVCA 75 017302
	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{31}Al	2006KO55	RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167

A=31 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=31 ***(continued)***

^{31}Si	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=31 *(continued)*

^{31}P	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{31}S	2007MA48	NUCLEAR REACTIONS ^{32}S(p, d), E=32 MeV; measured Ed, σ and angular distributions. ^{31}S deduced level energies and spectroscopic factors. JOUR PRVCA 76 015803

A=32

^{32}Na	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007MA04	RADIOACTIVITY ^{32}Na(β^-), (β^-n), (β^-2n) [from Ta(p, X)]; measured Eγ, Iγ, $\gamma\gamma$-, $\beta\gamma$-coin. ^{32}Mg deduced levels, J, π. ^{30,31}Mg deduced transitions. JOUR PRVCA 75 017302

A=32 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{32}Mg

2005NIZS NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg

2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

2006SUZX NUCLEAR REACTIONS Au(^{32}Mg, ^{32}Mg'), E=26.1 MeV / nucleon; measured Doppler-shifted Eγ, Iγ. ^{32}Mg level deduced T$_{1/2}$. REPT CNS-REP-69,P35,Suzuki

2007MA04 RADIOACTIVITY ^{32}Na(β^-), (β^-n), (β^-2n) [from Ta(p, X)]; measured Eγ, Iγ, $\gamma\gamma$-, $\beta\gamma$-coin. ^{32}Mg deduced levels, J, π. ^{30,31}Mg deduced transitions. JOUR PRVCA 75 017302

A=32 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{32}Al **2006FUZX** NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

2007KA18 RADIOACTIVITY ^{32}Al(β^-) [from ^{40}Ar fragmentation]; measured β-NMR spectra. ^{32}Al deduced quadrupole moment. JOUR PYLBB 647 93

2007KAZZ RADIOACTIVITY ^{32}Al(β^-); measured β-NMR spectra; deduced electric quadrupole moment. REPT RIKEN-NC-NP-6,Kameda

2007KAZZ NUCLEAR MOMENTS ^{32}Al; measured β-NMR spectra; deduced electric quadrupole moment. REPT RIKEN-NC-NP-6,Kameda

A=32 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007YOZZ NUCLEAR REACTIONS Nb(^{40}Ar, X)^{32}Al, E=95 MeV / nucleon; measured quadrupole moment using β-NMR method. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P105

^{32}Si 2007KA18 RADIOACTIVITY ^{32}Al(β^-) [from ^{40}Ar fragmentation]; measured β-NMR spectra. ^{32}Al deduced quadrupole moment. JOUR PYLBB 647 93

2007KAZZ RADIOACTIVITY ^{32}Al(β^-); measured β-NMR spectra; deduced electric quadrupole moment. REPT RIKEN-NC-NP-6,Kameda

A=32 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{32}P 2007HO08 NUCLEAR REACTIONS ^{208}Pb(^{36}S, X)^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P, E=215 MeV; measured particle yields, Eγ, Iγ, (particle)γ-coin. ^{37}P deduced levels, J, π, configurations. Clara array. JOUR PRVCA 75 034313

A=32 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{32}S 2006BR31 NUCLEAR REACTIONS ^{28}Si(^{6}Li, dα), E=47 MeV; measured Ed, Eα, dα-coin, angular correlations. ^{28}Si, ^{32}S deduced excited states energies. JOUR PHSTB 74 692

^{32}Ar 2007BU15 NUCLEAR REACTIONS C(^{40}Ca, X)^{36}Ca / ^{32}Ar / ^{28}S, E=95 MeV / nucleon; measured Eγ, Iγ. Deduced level energies. JOUR APOBB 38 1353

A=33

^{33}Na 2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

^{33}Mg 2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

A=33 ***(continued)***

2006KO55 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007YO06 RADIOACTIVITY ^{33}Mg(β^-) [from U(p, X), E-1.4 GeV]; measured β-decay anisotropy using laser spectroscopy and nuclear magnetic resonance techniques. ^{33}Mg deduced ground state spin and magnetic moment. JOUR PRLTA 99 212501

^{33}Al 2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

2006KO55 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β-asymmetry and hfs, β-NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π, μ, quadrupole moment. JOUR HYIND 171 167

A=33 ***(continued)***

2007N013 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007Y006 RADIOACTIVITY ^{33}Mg(β^-) [from U(p, X), E-1.4 GeV]; measured β-decay anisotropy using laser spectroscopy and nuclear magnetic resonance techniques. ^{33}Mg deduced ground state spin and magnetic moment. JOUR PRLTA 99 212501

A=33 ***(continued)***

^{33}Si	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{33}P	2007DE15	NUCLEAR REACTIONS ^{36}Cl(n, p), (n, α), E=0.5-250 keV; measured σ; deduced resonance parameters, Maxwellian-averaged cross section. Astrophysical implications discussed. JOUR PRVCA 75 034617
	2007HO08	NUCLEAR REACTIONS ^{208}Pb(^{36}S, X)^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P, E=215 MeV; measured particle yields, Eγ, Iγ, (particle)γ-coin. ^{37}P deduced levels, J, π, configurations. Clara array. JOUR PRVCA 75 034313

A=33 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=33 *(continued)*

^{33}S　`2007NO13`　NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

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^{34}Mg　`2005NIZS`　NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg

`2007JU03`　ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=34 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{34}Al 2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=34 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=34 ***(continued)***

^{34}Si	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{34}P	2007HO08	NUCLEAR REACTIONS ^{208}Pb(^{36}S, X)^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P, E=215 MeV; measured particle yields, Eγ, Iγ, (particle)γ-coin. ^{37}P deduced levels, J, π, configurations. Clara array. JOUR PRVCA 75 034313

A=34 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=34 (continued)

^{34}S 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{34}Ar 2007FA16 NUCLEAR REACTIONS ^{12}C(^{23}Al, p), E=74 MeV / nucleon; measured fragment longitudinal momentum distributions. ^{12}C(^{23}Al, X), (^{24}Al, X), (^{24}Al, X), E=74 MeV / nucleon; measured reaction cross sections. Compared results to model calculations. JOUR PRVCA 76 031601

A=35

^{35}Mg 2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

^{35}Al 2006FUZX NUCLEAR REACTIONS He(^{28}Na, X), (^{29}Na, X), (^{30}Na, X), (^{31}Na, X), (^{30}Mg, X), (^{31}Mg, X), (^{32}Mg, X), (^{33}Mg, X), (^{32}Al, X), (^{33}Al, X), (^{34}Al, X), (^{35}Al, X), (^{34}Si, X), (^{35}Si, X), (^{36}Si, X), (^{36}P, X), (^{37}P, X), E $\approx$ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{28,29,30,31}Na, ^{30,31,32,33}Mg, ^{32,33,34,35}Al deduced transitions. REPT CNS-REP-69,P19,Fukui

A=35 ***(continued)***

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=35 ***(continued)***

^{35}Si	2007NO013	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{35}P	2007HO08	NUCLEAR REACTIONS ^{208}Pb(^{36}S, X)^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P, E=215 MeV; measured particle yields, Eγ, Iγ, (particle)γ-coin. ^{37}P deduced levels, J, π, configurations. Clara array. JOUR PRVCA 75 034313

A=35 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=35 ***(continued)***

^{35}S	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{35}Cl	2007DE14	NUCLEAR REACTIONS ^{24}Mg(^{16}O, nα), (^{16}O, pα), E=70 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coin. ^{35}Ar, ^{35}Cl deduced high-spin levels, J, π, configurations, analog states, spin-orbit interaction effects, isospin symmetry features. GASP, ISIS arrays. JOUR PRVCA 75 034317
	2007KS01	NUCLEAR REACTIONS ^{12}C(^{28}Si, pα), E=70, 88 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSA. ^{35}Cl deduced levels J, π, δ, $T_{1/2}$. INGA array, shell model calculations. JOUR NUPAB 781 277
	2007LEZZ	NUCLEAR REACTIONS ^{24}Mg(^{16}O, pα), ^{24}Mg(^{16}O, nα), E=70 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coinc. ^{35}Cl, ^{35}Ar deduced high-spin levels and isospin mixing. CONF Iguazu(Nuclear Physics and Applications) Proc,P135,Lenzi
^{35}Ar	2007DE14	NUCLEAR REACTIONS ^{24}Mg(^{16}O, nα), (^{16}O, pα), E=70 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coin. ^{35}Ar, ^{35}Cl deduced high-spin levels, J, π, configurations, analog states, spin-orbit interaction effects, isospin symmetry features. GASP, ISIS arrays. JOUR PRVCA 75 034317

A=35 *(continued)*

	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007LEZZ	NUCLEAR REACTIONS ^{24}Mg(^{16}O, pα), ^{24}Mg(^{16}O, nα), E=70 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coinc. ^{35}Cl, ^{35}Ar deduced high-spin levels and isospin mixing. CONF Iguazu(Nuclear Physics and Applications) Proc,P135,Lenzi
^{35}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]

A=36

^{36}Mg	2007GA34	NUCLEAR REACTIONS ^{9}Be(^{38}Si, ^{36}Mg), E=83 MeV / nucleon; measured Eγ, Iγ. ^{36}Mg deduced level energy. Compared results to model calculations. JOUR PRLTA 99 072502
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
	2007TAZZ	NUCLEAR REACTIONS Be, W(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production σ. PREPRINT arXiv:0705.0349v1 [nucl-ex]
^{36}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=36 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{36}Si 2007CA35 NUCLEAR REACTIONS ^{1}H(^{36}Si, ^{36}Si'), E $<$ 140 MeV / nucleon; ^{1}H(^{38}Si, ^{38}Si'), E $<$ 140 MeV / nucleon; ^{1}H(^{40}Si, ^{40}Si'), E $<$ 140 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc, inelastic proton scattering cross sections. ^{36,38,40}Si deduced quadrupole deformation parameters. JOUR PYLBB 652 169

2007JU03 ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=36 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{36}P 2007HO08 NUCLEAR REACTIONS ^{208}Pb(^{36}S, X)^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P, E=215 MeV; measured particle yields, Eγ, Iγ, (particle)γ-coin. ^{37}P deduced levels, J, π, configurations. Clara array. JOUR PRVCA 75 034313

A=36 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{36}S 2007DE15 NUCLEAR REACTIONS ^{36}Cl(n, p), (n, α), E=0.5-250 keV; measured σ; deduced resonance parameters, Maxwellian-averaged cross section. Astrophysical implications discussed. JOUR PRVCA 75 034617

A=36 ***(continued)***

	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{36}Cl	2007AZ01	NUCLEAR REACTIONS Cl, K, Ca(n, X)^{36}Cl, E $\leq$ 500 MeV; measured neutron-induced production rates of ^{36}Cl using accelerator mass spectrometry. JOUR JRNCD 272 491

A=36 *(continued)*

	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{36}Ar	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007FA17	NUCLEAR REACTIONS ^{40}Ca(^{40}Ca, X)^{39}K / ^{38}Ar / ^{36}Ar / ^{37}Cl, E=50 MeV / nucleon; measured Ep, Eα, missing energy spectra. ^{40}Ca deduced two-, three-phonon giant resonance states. JOUR NUPAB 788 106c
^{36}K	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]

A=36 *(continued)*

^{36}Ca	2006DOZV	NUCLEAR REACTIONS ^{9}Be(^{37}Ca, ^{36}CaX), E=196 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{36}Ca deduced excited state energy. REPT GSI 2006-1,P145,Doornebal
	2007BU15	NUCLEAR REACTIONS C(^{40}Ca, X)^{36}Ca / ^{32}Ar / ^{28}S, E=95 MeV / nucleon; measured Eγ, Iγ. Deduced level energies. JOUR APOBB 38 1353
	2007DO11	NUCLEAR REACTIONS ^{9}Be(^{37}Ca, X)^{36}Ca, E=196 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ^{36}Ca deduced excited state energy, mirror energy differences. Fragment separator, shell-model calculations. JOUR PYLBB 647 237
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=37

^{37}Mg	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
	2007TAZZ	NUCLEAR REACTIONS Be, W(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production σ. PREPRINT arXiv:0705.0349v1 [nucl-ex]
^{37}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{37}Si	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=37 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{37}P 2007HO08 NUCLEAR REACTIONS ^{208}Pb(^{36}S, X)^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P, E=215 MeV; measured particle yields, Eγ, Iγ, (particle)γ-coin. ^{37}P deduced levels, J, π, configurations. Clara array. JOUR PRVCA 75 034313

A=37 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=37 ***(continued)***

^{37}S 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{37}Cl 2007FA17 NUCLEAR REACTIONS ^{40}Ca(^{40}Ca, X)^{39}K / ^{38}Ar / ^{36}Ar / ^{37}Cl, E=50 MeV / nucleon; measured Ep, Eα, missing energy spectra. ^{40}Ca deduced two-, three-phonon giant resonance states. JOUR NUPAB 788 106c

A=37 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{37}K 2007DO17 RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

2007VI11 NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

2007YA08 ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308

2007YAZX ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]

^{37}Ca 2007DO17 RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=37 ***(continued)***

	2007RI08	ATOMIC MASSES ^{37,38}Ca; measured masses using penning trap mass spectrometer. Deduced mass excess and implications on CVC and IMME. JOUR PRVCA 75 055503

A=38

^{38}Mg	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
	2007TAZZ	NUCLEAR REACTIONS Be, W(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production σ. PREPRINT arXiv:0705.0349v1 [nucl-ex]
^{38}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{38}Si	2007CA35	NUCLEAR REACTIONS ^{1}H(^{36}Si, ^{36}Si'), E $<$ 140 MeV / nucleon; ^{1}H(^{38}Si, ^{38}Si'), E $<$ 140 MeV / nucleon; ^{1}H(^{40}Si, ^{40}Si'), E $<$ 140 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc, inelastic proton scattering cross sections. ^{36,38,40}Si deduced quadrupole deformation parameters. JOUR PYLBB 652 169
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=38 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

A=38 ***(continued)***

^{38}P 2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{38}S 2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=38 ***(continued)***

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

2007OT04 NUCLEAR REACTIONS ^{1}H(^{38}S, p'), E=62 MeV / nucleon; measured $\sigma(\theta, E^*)$. JOUR NUPAB 788 266c

^{38}Cl 2007KA33 NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=38 ***(continued)***

	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{38}Ar	2007DEZR	NUCLEAR REACTIONS ^{41}Ca(n, α), E=0.6-50 keV; measured cross section and partial widths. CONF Geneva(NIC-IX) 085
	2007FA17	NUCLEAR REACTIONS ^{40}Ca(^{40}Ca, X)^{39}K / ^{38}Ar / ^{36}Ar / ^{37}Cl, E=50 MeV / nucleon; measured Ep, Eα, missing energy spectra. ^{40}Ca deduced two-, three-phonon giant resonance states. JOUR NUPAB 788 106c
^{38}K	2007PR03	NUCLEAR REACTIONS ^{40}Ca(d, α), E=4.5 MeV; measured Eγ, Iγ, $\gamma\gamma$-, $\alpha\gamma$-coin, DSA. ^{38}K deduced levels, J, π, $T_{1/2}$. JOUR PRVCA 75 014309
	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{38}Ca	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=38 *(continued)*

	2007GE07	ATOMIC MASSES ^{38}Ca; measured mass. Penning trap, Ramsey method. JOUR PRLTA 98 162501
	2007RI08	ATOMIC MASSES ^{37,38}Ca; measured masses using penning trap mass spectrometer. Deduced mass excess and implications on CVC and IMME. JOUR PRVCA 75 055503

A=39

^{39}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{39}Si	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{39}P	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{39}Cl	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=39 *(continued)*

2007NO13 NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605

^{39}Ar 2007BE13 RADIOACTIVITY ^{39}Ar(β^{-}); measured specific activity in natural argon. JOUR NIMAE 574 83

A=39 *(continued)*

	2007NO13	NUCLEAR REACTIONS ^{9}Be(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Li / ^{7}Be / ^{8}Be / ^{9}Be / ^{10}Be / ^{11}Be / ^{12}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{15}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{18}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{20}N / ^{21}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{22}O / ^{23}O / ^{24}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{25}F / ^{26}F / ^{27}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne / ^{29}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{30}Na / ^{31}Na / ^{32}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{32}Mg / ^{33}Mg / ^{34}Mg / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{35}Al / ^{36}Al / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{35}Si / ^{36}Si / ^{37}Si / ^{38}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{37}P / ^{38}P / ^{39}P / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{38}S / ^{36}Cl / ^{37}Cl / ^{38}Cl / ^{39}Cl / ^{39}Ar, E=100 MeV / nucleon; ^{181}Ta(^{40}Ar, X)^{6}Li / ^{7}Li / ^{8}Li / ^{9}Be / ^{10}Be / ^{11}Be / ^{10}B / ^{11}B / ^{12}B / ^{13}B / ^{14}B / ^{11}C / ^{12}C / ^{13}C / ^{14}C / ^{15}C / ^{16}C / ^{17}C / ^{13}N / ^{14}N / ^{15}N / ^{16}N / ^{17}N / ^{18}N / ^{19}N / ^{15}O / ^{16}O / ^{17}O / ^{18}O / ^{19}O / ^{20}O / ^{21}O / ^{17}F / ^{18}F / ^{19}F / ^{20}F / ^{21}F / ^{22}F / ^{23}F / ^{24}F / ^{19}Ne / ^{20}Ne / ^{21}Ne / ^{22}Ne / ^{23}Ne / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{21}Na / ^{22}Na / ^{23}Na / ^{24}Na / ^{25}Na / ^{26}Na / ^{27}Na / ^{28}Na / ^{29}Na / ^{23}Mg / ^{24}Mg / ^{25}Mg / ^{26}Mg / ^{27}Mg / ^{28}Mg / ^{29}Mg / ^{30}Mg / ^{31}Mg / ^{24} / ^{25}Al / ^{26}Al / ^{27}Al / ^{28}Al / ^{29}Al / ^{30}Al / ^{31}Al / ^{32}Al / ^{33}Al / ^{34}Al / ^{26}Si / ^{27}Si / ^{28}Si / ^{29}Si / ^{30}Si / ^{31}Si / ^{32}Si / ^{33}Si / ^{34}Si / ^{29}P / ^{30}P / ^{31}P / ^{32}P / ^{33}P / ^{34}P / ^{35}P / ^{36}P / ^{30}S / ^{31}S / ^{32}S / ^{33}S / ^{34}S / ^{35}S / ^{36}S / ^{37}S / ^{33}Cl / ^{34}Cl / ^{35}Cl / ^{36}Cl / ^{37}Cl / ^{35}Ar / ^{36}Ar / ^{37}Ar / ^{38}Ar / ^{39}Ar / ^{37}K / ^{38}K / ^{39}K / ^{40}K, E=100 MeV / nucleon; measured momentum distribution, production cross sections. RIKEN. JOUR PRVCA 76 044605
^{39}K	2007BE13	RADIOACTIVITY ^{39}Ar(β^-); measured specific activity in natural argon. JOUR NIMAE 574 83
	2007FA17	NUCLEAR REACTIONS ^{40}Ca(^{40}Ca, X)^{39}K / ^{38}Ar / ^{36}Ar / ^{37}Cl, E=50 MeV / nucleon; measured Ep, Eα, missing energy spectra. ^{40}Ca deduced two-, three-phonon giant resonance states. JOUR NUPAB 788 106c
^{39}Ca	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{39}Sc	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=39 *(continued)*

^{39}Ti	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=40

^{40}Mg	2007BA71	NUCLEAR REACTIONS W(^{48}Ca, X)^{40}Mg / ^{42}Al, E=141 MeV / nucleon; measured fragment energies, charge and mass distributions. JOUR NATUA 449 1022
^{40}Si	2007CA35	NUCLEAR REACTIONS ^{1}H(^{36}Si, ^{36}Si'), E $<$ 140 MeV / nucleon; ^{1}H(^{38}Si, ^{38}Si'), E $<$ 140 MeV / nucleon; ^{1}H(^{40}Si, ^{40}Si'), E $<$ 140 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc, inelastic proton scattering cross sections. ^{36,38,40}Si deduced quadrupole deformation parameters. JOUR PYLBB 652 169
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{40}P	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{40}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{40}Ar	2006LIZX	NUCLEAR REACTIONS ^{9}Be(^{38}S, X)^{42}Ca / ^{43}Ca / ^{40}Ar, E=5.45 MeV / nucleon; measured Eγ, Iγ. REPT CNS-REP-69,P6,Liu
	2007OK01	NUCLEAR REACTIONS ^{40}Ar(p, p), (p, p'), E=25.1, 32.5, 40.7 MeV; measured σ(E, θ), Ay(θ). ^{40}Ar deduced deformation parameters. Isospin dependent soft-rotator coupled-channels optical model analysis. JOUR PRVCA 75 034616
^{40}K	2007GR05	RADIOACTIVITY ^{10}Be, ^{40}K, ^{87}Rb(β^-); measured Eβ; deduced shape-factor functions, cutoff energy yields, maximum-point energies. Comparison with previous results. JOUR NIMAE 572 760
^{40}Ca	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007FA17	NUCLEAR REACTIONS ^{40}Ca(^{40}Ca, X)^{39}K / ^{38}Ar / ^{36}Ar / ^{37}Cl, E=50 MeV / nucleon; measured Ep, Eα, missing energy spectra. ^{40}Ca deduced two-, three-phonon giant resonance states. JOUR NUPAB 788 106c

A=40 *(continued)*

	2007GR05	RADIOACTIVITY ^{10}Be, ^{40}K, ^{87}Rb(β^-); measured Eβ; deduced shape-factor functions, cutoff energy yields, maximum-point energies. Comparison with previous results. JOUR NIMAE 572 760
	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{40}Sc	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{40}Ti	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=41

^{41}Si	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
	2007TAZZ	NUCLEAR REACTIONS Be, W(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production σ. PREPRINT arXiv:0705.0349v1 [nucl-ex]
^{41}P	2007BA47	NUCLEAR REACTIONS ^{42,44}S(^{9}Be, X), E=39 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{42}Si, ^{41,43}P deduced levels. JOUR PRLTA 99 022503
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=41 ***(continued)***

^{41}Sc	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007GIZZ	RADIOACTIVITY ^{45}Fe(2p) [from Ni(^{58}Ni, X)]; measured Ep, pp-coin, $T_{1/2}$. ^{43}Cr(β^+2p) [from Ni(^{58}Ni, X)]; measured β-delayed Ep, pp-coin. Time-projection chamber. PREPRINT nucl-ex/0703011,3/5/2007
	2007MI36	RADIOACTIVITY ^{45}Fe(2p), (β^+), (β^+p), (β^+2p), (β^+3p), (β^+4p); measured decay branches, half-lives, partial half-lives. JOUR PRVCA 76 041304
^{41}Ti	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=42

^{42}Al	2007BA71	NUCLEAR REACTIONS W(^{48}Ca, X)^{40}Mg / ^{42}Al, E=141 MeV / nucleon; measured fragment energies, charge and mass distributions. JOUR NATUA 449 1022
^{42}Si	2007BA47	NUCLEAR REACTIONS ^{42,44}S(^{9}Be, X), E=39 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{42}Si, ^{41,43}P deduced levels. JOUR PRLTA 99 022503
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
	2007TAZZ	NUCLEAR REACTIONS Be, W(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production σ. PREPRINT arXiv:0705.0349v1 [nucl-ex]
^{42}P	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{42}Ca	2006LIZX	NUCLEAR REACTIONS ^{9}Be(^{38}S, X)^{42}Ca / ^{43}Ca / ^{40}Ar, E=5.45 MeV / nucleon; measured Eγ, Iγ. REPT CNS-REP-69,P6,Liu

A=42 ***(continued)***

	2007CO21	NUCLEAR REACTIONS ^{208}Pb(^{40}Ca, X), E=235, 249 MeV; analyzed single and paired nucleon transfer σ. ^{208}Pb(^{40}Ca, X)^{42}Ca, E=225, 236, 250 MeV; analyzed total kinetic energy loss distribution. ^{208}Pb(^{90}Zr, X), E=560 MeV; analyzed fragment mass distributions, σ; measured Eγ, Iγ, (particle)γ-coin, DSA. ^{92}Zr deduced levels, J, π. ^{238}U(^{82}Se, X), E=500 MeV; measured fragment yields, σ. Prisma and Clara arrays. Mutli-nucleon transfer reaction mechanisms discussed. JOUR NUPAB 787 160c
	2007SZ05	NUCLEAR REACTIONS ^{98}Zr(^{40}Ca, X), E=152 MeV; ^{208}Pb(^{90}Zr, X), E=560 MeV; measured EΓ, Iγ, (particle)γ-coinc. ^{95}Zr, ^{42}Ca deduced levels. JOUR PRVCA 76 024604
^{42}Sc	2006GA47	NUCLEAR MOMENTS ^{42,43,44,44m,45,45m,46}Sc; measured hfs, isotope shifts; deduced μ, quadrupole moments. Collinear laser spectroscopy. JOUR HYIND 171 209
	2007AD27	NUCLEAR REACTIONS ^{42}Ca, ^{46}Ti, ^{50}Cr, ^{54}Fe(^{3}He, t), E=140 MeV / nucleon; measured excitation energy spectra. ^{42}Sc, ^{46}V, ^{50}Mn, ^{54}Co deduced Gamow-Teller strength distribution. Comparison with shell model. JOUR NUPAB 788 70c
	2007CH40	NUCLEAR REACTIONS ^{28}Si(^{20}Ne, X)^{42}Sc, ^{28}Si(^{20}Ne, X)^{43}Sc, E=84 MeV; ^{24}Mg(^{24}Mg, X)^{42,43}Sc, E=94 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged-particle)γ- coinc, angular distributions using the Gammasphere. Deduced level energies, J, π, high-spin and high-energy extension of level scheme. JOUR PRVCA 75 054305
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007SC26	NUCLEAR REACTIONS ^{40}Ca(^{3}He, p)^{42}Sc, E=9 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, and angular correlations. ^{42}Sc deduced levels, J, π, B(E2), B(M1), multipole mixing ratios. Compared results to model calculations. JOUR PRVCA 75 064321
^{42}Ti	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007MI36	RADIOACTIVITY ^{45}Fe(2p), (β^+), (β^+p), (β^+2p), (β^+3p), (β^+4p); measured decay branches, half-lives, partial half-lives. JOUR PRVCA 76 041304
^{42}V	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=42 *(continued)*

^{42}Cr	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=43

^{43}Si	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
	2007TAZZ	NUCLEAR REACTIONS Be, W(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production σ. PREPRINT arXiv:0705.0349v1 [nucl-ex]
^{43}P	2007BA47	NUCLEAR REACTIONS ^{42,44}S(^{9}Be, X), E=39 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{42}Si, ^{41,43}P deduced levels. JOUR PRLTA 99 022503
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{43}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{43}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{43}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{43}Ca	2006LIZX	NUCLEAR REACTIONS ^{9}Be(^{38}S, X)^{42}Ca / ^{43}Ca / ^{40}Ar, E=5.45 MeV / nucleon; measured Eγ, Iγ. REPT CNS-REP-69,P6,Liu
^{43}Sc	2006GA47	NUCLEAR MOMENTS ^{42,43,44,44m,45,45m,46}Sc; measured hfs, isotope shifts; deduced μ, quadrupole moments. Collinear laser spectroscopy. JOUR HYIND 171 209
	2006ZA11	NUCLEAR REACTIONS Ti(p, X)^{48}V / ^{47}Sc / ^{44m}Sc / ^{44}Sc / ^{43}Sc, E $\approx$ 4-27 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 94 795

A=43 *(continued)*

	2007CH40	NUCLEAR REACTIONS ^{28}Si(^{20}Ne, X)^{42}Sc, ^{28}Si(^{20}Ne, X)^{43}Sc, E=84 MeV; ^{24}Mg(^{24}Mg, X)^{42,43}Sc, E=94 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged-particle)γ- coinc, angular distributions using the Gammasphere. Deduced level energies, J, π, high-spin and high-energy extension of level scheme. JOUR PRVCA 75 054305
^{43}Ti	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{43}V	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007GI10	RADIOACTIVITY ^{45}Fe(2p), ^{43}Cr(β^+); measured direct and β-delayed proton energies, T$_{1/2}$. JOUR PRLTA 99 102501
	2007MI36	RADIOACTIVITY ^{45}Fe(2p), (β^+), (β^+p), (β^+2p), (β^+3p), (β^+4p); measured decay branches, half-lives, partial half-lives. JOUR PRVCA 76 041304
^{43}Cr	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007GI10	RADIOACTIVITY ^{45}Fe(2p), ^{43}Cr(β^+); measured direct and β-delayed proton energies, T$_{1/2}$. JOUR PRLTA 99 102501
	2007GIZZ	RADIOACTIVITY ^{45}Fe(2p) [from Ni(^{58}Ni, X)]; measured Ep, pp-coin, T$_{1/2}$. ^{43}Cr(β^+2p) [from Ni(^{58}Ni, X)]; measured β-delayed Ep, pp-coin. Time-projection chamber. PREPRINT nucl-ex/0703011,3/5/2007
	2007MI36	RADIOACTIVITY ^{45}Fe(2p), (β^+), (β^+p), (β^+2p), (β^+3p), (β^+4p); measured decay branches, half-lives, partial half-lives. JOUR PRVCA 76 041304

A=44

^{44}Si	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
	2007TAZZ	NUCLEAR REACTIONS Be, W(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production σ. PREPRINT arXiv:0705.0349v1 [nucl-ex]

A=44 ***(continued)***

^{44}P	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{44}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{44}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{44}Ca	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{44}Sc	2006AH10	RADIOACTIVITY ^{44}Ti(EC) [from ^{45}Sc(p, 2n)]; measured Eγ, Iγ, $T_{1/2}$. JOUR PRVCA 74 065803
	2006GA47	NUCLEAR MOMENTS ^{42,43,44,44m,45,45m,46}Sc; measured hfs, isotope shifts; deduced μ, quadrupole moments. Collinear laser spectroscopy. JOUR HYIND 171 209
	2006ZA11	NUCLEAR REACTIONS Ti(p, X)^{48}V / ^{47}Sc / ^{44m}Sc / ^{44}Sc / ^{43}Sc, E $\approx$ 4-27 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 94 795
	2007DR05	RADIOACTIVITY ^{44}Ti(EC); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{44}Sc deduced conversion coefficients and penetration parameter. JOUR BRSPE 71 887
	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495
	2007LA31	NUCLEAR REACTIONS ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=38 MeV; measured Eγ, Iγ. ^{44}Sc, ^{45}Sc; deduced level densities, γ-strength functions, parity asymmetry. JOUR PRVCA 76 044303
	2007LAZZ	NUCLEAR REACTIONS ^{45}Sc(^{3}He, α)^{44}Sc, ^{45}Sc(^{3}He, ^{3}He), E=38 MeV; measured Eγ, Iγ. Deduced nuclear level densities and γ-ray strength functions. PREPRINT arXiv:0706.0533v1 [nucl-ex]
	2007NG01	NUCLEAR REACTIONS ^{45}Sc(γ, n), ^{103}Rh(γ, 4n), E=65 MeV / bremsstrahlung; Ti(γ, X)^{44}Sc, E=65 MeV / bremsstrahlung; Fe(γ, X)^{52}Mn, E=65 MeV / bremsstrahlung; measured σ, isomer ratios. Activation method. JOUR KPSJA 50 417

A=44 *(continued)*

^{44}Ti	2006AH10	RADIOACTIVITY ^{44}Ti(EC) [from ^{45}Sc(p, 2n)]; measured Eγ, Iγ, $T_{1/2}$. JOUR PRVCA 74 065803
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007DR05	RADIOACTIVITY ^{44}Ti(EC); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{44}Sc deduced conversion coefficients and penetration parameter. JOUR BRSPE 71 887
	2007NAZZ	NUCLEAR REACTIONS ^{40}Ca(α, γ), E(cm)=0.6-1.2 MeV / nucleon; measured yields using accelerator mass spectroscopy. Deduced resonance strength and cross section. CONF Geneva(NIC-IX) 031
	2007VO03	NUCLEAR REACTIONS ^{4}He(^{40}Ca, γ)^{44}Ti, E=1.135 MeV / nucleon; measured yield and resonance strength at DRAGON recoil mass spectrometer. JOUR NIMBE 259 688
	2007VO06	NUCLEAR REACTIONS ^{4}He(^{40}Ca, γ)^{44}Ti, E=0.60-1.15 MeV / nucleon; measured recoil energies, yields, and cross section. JOUR PRVCA 76 035801
	2007VOZY	NUCLEAR REACTIONS ^{4}He(^{40}Ca, γ), E=600-1200 keV / nucleon; measured prompt γs in coincidence with recoils, yield using the recoil mass spectrometer DRAGON. ^{40}Ca(α, γ); deduced reaction rate. CONF Geneva(NIC-IX) 030
^{44}V	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{44}Cr	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007MI36	RADIOACTIVITY ^{45}Fe(2p), (β^+), (β^+p), (β^+2p), (β^+3p), (β^+4p); measured decay branches, half-lives, partial half-lives. JOUR PRVCA 76 041304

A=45

^{45}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=45 *(continued)*

^{45}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{45}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{45}Sc	2006GA47	NUCLEAR MOMENTS ^{42,43,44,44m,45,45m,46}Sc; measured hfs, isotope shifts; deduced μ, quadrupole moments. Collinear laser spectroscopy. JOUR HYIND 171 209
	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495
	2007LA31	NUCLEAR REACTIONS ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=38 MeV; measured Eγ, Iγ. ^{44}Sc, ^{45}Sc; deduced level densities, γ-strength functions, parity asymmetry. JOUR PRVCA 76 044303
	2007LAZZ	NUCLEAR REACTIONS ^{45}Sc(^{3}He, α)^{44}Sc, ^{45}Sc(^{3}He, ^{3}He), E=38 MeV; measured Eγ, Iγ. Deduced nuclear level densities and γ-ray strength functions. PREPRINT arXiv:0706.0533v1 [nucl-ex]
^{45}V	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{45}Cr	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{45}Mn	2007MI36	RADIOACTIVITY ^{45}Fe(2p), (β^{+}), (β^{+}p), (β^{+}2p), (β^{+}3p), (β^{+}4p); measured decay branches, half-lives, partial half-lives. JOUR PRVCA 76 041304
^{45}Fe	2007GI10	RADIOACTIVITY ^{45}Fe(2p), ^{43}Cr(β^{+}); measured direct and β-delayed proton energies, $T_{1/2}$. JOUR PRLTA 99 102501
	2007GIZZ	RADIOACTIVITY ^{45}Fe(2p) [from Ni(^{58}Ni, X)]; measured Ep, pp-coin, $T_{1/2}$. ^{43}Cr(β^{+}2p) [from Ni(^{58}Ni, X)]; measured β-delayed Ep, pp-coin. Time-projection chamber. PREPRINT nucl-ex/0703011,3/5/2007
	2007MI36	RADIOACTIVITY ^{45}Fe(2p), (β^{+}), (β^{+}p), (β^{+}2p), (β^{+}3p), (β^{+}4p); measured decay branches, half-lives, partial half-lives. JOUR PRVCA 76 041304

A=46

^{46}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{46}K	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{46}Sc	2006GA47	NUCLEAR MOMENTS ^{42,43,44,44m,45,45m,46}Sc; measured hfs, isotope shifts; deduced μ, quadrupole moments. Collinear laser spectroscopy. JOUR HYIND 171 209
^{46}Ti	2006KMZZ	NUCLEAR REACTIONS ^{19}F(^{27}Al, X), E=144 MeV; measured Eγ, Eα, angular distributions, $\alpha\gamma$-, (recoil)α-coin. ^{46}Ti deduced large deformation at high spin, GDR strength distribution, Jacobi shape transition. Comparison with previous results and model predictions. PREPRINT nucl-ex/0612029,12/28/2006
	2007BR25	NUCLEAR REACTIONS ^{19}F(^{27}Al, X), E=144 MeV; measured Eγ, Iγ, Eα, Iα, (residue)α-coin. ^{46}Ti deduced giant dipole resonance strength distributions. JOUR NUPAB 788 224c
	2007KM01	NUCLEAR REACTIONS ^{28}Si(^{18}O, F), E=105 MeV; measured Eγ, Ep, Eα, yields, angular distributions, and (particle)γ-coinc. ^{46}Ti deduced deformation effects. JOUR APOBB 38 1437
	2007WE01	NUCLEAR REACTIONS ^{46,50}Ti(^{16}O, ^{16}O), E=30-70 MeV; measured elastic $\sigma(\theta)$; deduced model parameters, threshold anomaly. Unexpected structure effects not observed. JOUR NUPAB 781 342
^{46}V	2007AD27	NUCLEAR REACTIONS ^{42}Ca, ^{46}Ti, ^{50}Cr, ^{54}Fe(^{3}He, t), E=140 MeV / nucleon; measured excitation energy spectra. ^{42}Sc, ^{46}V, ^{50}Mn, ^{54}Co deduced Gamow-Teller strength distribution. Comparison with shell model. JOUR NUPAB 788 70c
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{46}Cr	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
	2007GA03	NUCLEAR REACTIONS ^{12}C(^{36}Ar, 2n), E=105 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (recoil)γ-coin. ^{46}Cr deduced levels, J, π, analog states features. Gammasphere array, fragment separator. JOUR PRVCA 75 014307

A=46 *(continued)*

^{46}Mn	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{46}Fe	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=47

^{47}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{47}K	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c
^{47}Sc	2006ZA11	NUCLEAR REACTIONS Ti(p, X)^{48}V / ^{47}Sc / ^{44m}Sc / ^{44}Sc / ^{43}Sc, E $\approx$ 4-27 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 94 795
^{47}Ti	2007SC03	NUCLEAR MOMENTS ^{47}Ti; measured hyperfine-induced transition rate in beryllium-like ions. JOUR PRLTA 98 033001
^{47}Cr	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{47}Mn	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{47}Fe	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=48

^{48}Ca	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
	2007TA27	NUCLEAR REACTIONS ^{26}Mg, ^{48}Ca(p, p'), E=295 MeV; measured excitation energy spectrum. ^{12}C(p, p'), E=295 MeV; calculated $\sigma(\theta)$. DWIA method. JOUR NUPAB 788 53c
^{48}V	2006ZA11	NUCLEAR REACTIONS Ti(p, X)^{48}V / ^{47}Sc / ^{44m}Sc / ^{44}Sc / ^{43}Sc, E $\approx$ 4-27 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 94 795
	2007TA16	NUCLEAR REACTIONS Ti(d, X)^{48}V / ^{44,46,47,48}Sc, E $<$ 10 MeV; measured Eγ, Ig. Deduced cross sections using stacked foil technique. JOUR NIMBE 262 7
^{48}Cr	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{48}Mn	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{48}Fe	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=49

^{49}Ti	2007LIZW	NUCLEAR REACTIONS ^{48}Ti(^{11}Be, ^{10}Be), E=41 MeV / nucleon; measured fragment energies and yields, neutron energies, intensities, and angular distributions, and Eγ, Iγ. ^{11}Be deduced breakup σ. PREPRINT arXiv:0709.3981v1 [nucl-ex]

A=49 *(continued)*

^{49}Mn	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{49}Fe	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{49}Co	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{49}Ni	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=50

^{50}Ca	2007RE19	NUCLEAR REACTIONS ^{48}Ca(^{238}U, X), E=1.31 GeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{50,51,52}Ca deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021304
^{50}Ti	2007WE01	NUCLEAR REACTIONS ^{46,50}Ti(^{16}O, ^{16}O), E=30-70 MeV; measured elastic $\sigma(\theta)$; deduced model parameters, threshold anomaly. Unexpected structure effects not observed. JOUR NUPAB 781 342
^{50}V	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495
^{50}Mn	2007AD27	NUCLEAR REACTIONS ^{42}Ca, ^{46}Ti, ^{50}Cr, ^{54}Fe(^{3}He, t), E=140 MeV / nucleon; measured excitation energy spectra. ^{42}Sc, ^{46}V, ^{50}Mn, ^{54}Co deduced Gamow-Teller strength distribution. Comparison with shell model. JOUR NUPAB 788 70c
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=50 *(continued)*

^{50}Fe	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{50}Co	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{50}Ni	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=51

^{51}Ca	2007RE19	NUCLEAR REACTIONS ^{48}Ca(^{238}U, X), E=1.31 GeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{50,51,52}Ca deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021304
^{51}V	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495
	2007LE24	NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11, 12, 13.4 MeV; ^{51}V(^{8}Li, ^{8}Li), E=26 MeV; measured $\sigma(\theta)$. Comparison with optical model. ^{27}Al, ^{64}Zn(^{6}He, ^{6}He), (^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E$\approx$5-25 MeV; analyzed σ. Comparison with other data. Secondary radioactive beam. JOUR NUPAB 787 94c
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{51}Cr	2006ITZY	NUCLEAR REACTIONS Fe, Ta(d, nX), E=40 MeV; measured neutron spectra, $\sigma(\theta)$. Fe(d, X)^{51}Cr / ^{52}Mn / ^{56}Co / ^{57}Co, E $\approx$ 5-40 MeV; measured production σ. REPT JAEA-Conf 2006-009,P124,Itoga
	2007MI07	NUCLEAR REACTIONS ^{52}Cr(n, n'), (n, 2n), E $\approx$ 3-18 MeV; measured Eγ, Iγ, σ. Comparison with model predictions. JOUR NUPAB 786 1
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495

A=51 *(continued)*

	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{51}Fe	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{51}Co	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{51}Ni	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=52

^{52}Ca	2007RE19	NUCLEAR REACTIONS ^{48}Ca(^{238}U, X), E=1.31 GeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{50,51,52}Ca deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021304
^{52}Cr	2007EN02	NUCLEAR REACTIONS ^{52}Cr(γ, γ'), E=8.0, 9.9 MeV bremsstrahlung; measured Eγ, Iγ. ^{52}Cr deduced 2^+ states energies, B(E2). JOUR ZAANE 31 15
	2007KU19	NUCLEAR REACTIONS ^{27}Al(^{28}Si, 3p), E=70 MeV; measured Eγ, I$\gamma(\theta)$, $\gamma\gamma$-coinc. ^{52}Cr deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 034301
	2007MI07	NUCLEAR REACTIONS ^{52}Cr(n, n'), (n, 2n), E $\approx$ 3-18 MeV; measured Eγ, Iγ, σ. Comparison with model predictions. JOUR NUPAB 786 1
^{52}Mn	2006ITZY	NUCLEAR REACTIONS Fe, Ta(d, nX), E=40 MeV; measured neutron spectra, $\sigma(\theta)$. Fe(d, X)^{51}Cr / ^{52}Mn / ^{56}Co / ^{57}Co, E $\approx$ 5-40 MeV; measured production σ. REPT JAEA-Conf 2006-009,P124,Itoga
	2007AX01	NUCLEAR REACTIONS ^{28}Si(^{28}Si, n3p), E=110, 115 MeV; ^{24}Mg(^{32}S, n3p), E=130 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc, angular distributions, lifetimes and polarization. ^{52}Mn deduced levels, J, π for high spin states. JOUR PRVCA 76 014303
	2007NG01	NUCLEAR REACTIONS ^{45}Sc(γ, n), ^{103}Rh(γ, 4n), E=65 MeV / bremsstrahlung; Ti(γ, X)^{44}Sc, E=65 MeV / bremsstrahlung; Fe(γ, X)^{52}Mn, E=65 MeV / bremsstrahlung; measured σ, isomer ratios. Activation method. JOUR KPSJA 50 417

A=52 *(continued)*

	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E $<$ 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{52}Fe	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{52}Co	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{52}Ni	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=53

^{53}Co	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{53}Ni	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=54

^{54}Cr	2006BUZV	NUCLEAR REACTIONS Au(^{54}Cr, ^{54}Cr'), (^{56}Cr, ^{56}Cr'), (^{58}Cr, ^{58}Cr'), E=100 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced excited states energies, B(E2). Comparison with model predictions and previous results. REPT GSI 2006-1,P146,Burger

A=54 *(continued)*

^{54}Mn	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{54}Fe	2006KH14	NUCLEAR REACTIONS ^{54,56}Fe(e, e'), E=225 MeV; measured energy and angular distributions. Deduced reduced transition probabilities B(E1), B(E2), B(E3), B(E4), B(E5). JOUR BRSPE 70 1805
^{54}Co	2007AD27	NUCLEAR REACTIONS ^{42}Ca, ^{46}Ti, ^{50}Cr, ^{54}Fe(^{3}He, t), E=140 MeV / nucleon; measured excitation energy spectra. ^{42}Sc, ^{46}V, ^{50}Mn, ^{54}Co deduced Gamow-Teller strength distribution. Comparison with shell model. JOUR NUPAB 788 70c
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{54}Ni	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^{+}), (EC), (β^{+}p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=55

^{55}Ti	2007ZH37	NUCLEAR REACTIONS ^{9}Be(^{48}Ca, np), (^{48}Ca, 2p), E=172 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, (particle)γ-coin using Gammasphere. ^{55}V, ^{55}Ti deduced levels, J, π. Comparison with model calculations. JOUR PYLBB 650 135
^{55}V	2007ZH37	NUCLEAR REACTIONS ^{9}Be(^{48}Ca, np), (^{48}Ca, 2p), E=172 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, (particle)γ-coin using Gammasphere. ^{55}V, ^{55}Ti deduced levels, J, π. Comparison with model calculations. JOUR PYLBB 650 135
^{55}Mn	2006UT03	NUCLEAR REACTIONS ^{54}Cr(p, γ), E=1.5-2.5 MeV; measured Eγ, Iγ, and partial cross sections. JOUR BRSPE 70 1859
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^{-}); ^{131}I, ^{133}Xe, ^{137}Cs(β^{-}); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{55}Fe	2007COZX	NUCLEAR REACTIONS ^{54}Fe(n, γ), E=spectrum; measured cross section using accelerator mass spectroscopy. CONF Geneva(NIC-IX) 274
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^{-}); ^{131}I, ^{133}Xe, ^{137}Cs(β^{-}); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

A=55 *(continued)*

^{55}Co	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{55}Ni	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{55}Cu	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{55}Zn	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured T$_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=56

^{56}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
^{56}Cr	2006BUZV	NUCLEAR REACTIONS Au(^{54}Cr, ^{54}Cr'), (^{56}Cr, ^{56}Cr'), (^{58}Cr, ^{58}Cr'), E=100 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced excited states energies, B(E2). Comparison with model predictions and previous results. REPT GSI 2006-1,P146,Burger
	2006ZH42	NUCLEAR REACTIONS ^{208}Pb(^{48}Ca, X)^{56}Cr / ^{58}Cr, E=305 MeV; ^{238}U(^{48}Ca, X)^{56}Cr / ^{58}Cr / ^{60}Cr, E=330 MeV; ^{14}C(^{48}Ca, 2p), (^{48}Ca, 2nα), E=130 MeV; measured Eγ, Iγ, (particle)γ, $\gamma\gamma$-coin. ^{56,58,60}Cr deduced levels, J, π, configurations. Comparison with model predictions. JOUR PRVCA 74 064315

A=56 ***(continued)***

^{56}Mn	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{56}Fe	2006KH14	NUCLEAR REACTIONS ^{54,56}Fe(e, e'), E=225 MeV; measured energy and angular distributions. Deduced reduced transition probabilities B(E1), B(E2), B(E3), B(E4), B(E5). JOUR BRSPE 70 1805
	2007AL49	NUCLEAR REACTIONS ^{57}Fe(^{3}He, α), (^{3}He, ^{3}He'), E=45 MeV; ^{56}Fe(n, γ), E=thermal; ^{55}Mn(d, n), E=7.0 MeV; measured Eγ, Iγ. Deduced nuclear level densities and radiative strength functions. Compared results to model calculations. JOUR PANUE 70 1634
^{56}Co	2006ITZY	NUCLEAR REACTIONS Fe, Ta(d, nX), E=40 MeV; measured neutron spectra, $\sigma(\theta)$. Fe(d, X)^{51}Cr / ^{52}Mn / ^{56}Co / ^{57}Co, E $\approx$ 5-40 MeV; measured production σ. REPT JAEA-Conf 2006-009,P124,Itoga
	2007BL10	NUCLEAR REACTIONS ^{12}C, ^{208}Pb(n, n), E=96 MeV; Fe, Pb, U(n, pX), (n, dX), (n, tX), E=96 MeV; measured $\sigma(\theta)$. ^{181}Ta, W, ^{197}Au, Pb, ^{208}Pb(n, F), E=20-200 MeV; measured fission σ. Cu(n, X)^{56}Co, E=50-180 MeV; measured σ. JOUR PRAMC 68 269
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{56}Ni	2007BL09	RADIOACTIVITY ^{57}Zn, ^{61}Ge(β^{+}p) [from Ni(^{70}Ge, X)]; measured β-delayed proton spectra, $T_{1/2}$. JOUR ZAANE 31 267
	2007MO29	NUCLEAR REACTIONS ^{2}H(^{56}Ni, d), E=50 MeV / nucleon; measured Ed, E(recoil), energy excitation spectrum. JOUR NUPAB 788 182c
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{56}Cu	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=56 *(continued)*

	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18
^{56}Zn	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
	2007DO17	RADIOACTIVITY ^{36,37}Ca, ^{39,40,41}Ti, ^{43}V, ^{42,43,44,45}Cr, ^{46,47}Mn, ^{46,47,48,49}Fe, ^{50,51}Co, ^{49,50,51,52,53}Ni, ^{55}Cu, ^{55,56}Zn(β^+), (EC), (β^+p) [from Ni(^{58}Ni, X)]; measured $T_{1/2}$, β-delayed proton and γ spectra, branching ratios. ^{43,45}Cr, ^{46}Mn, ^{46,47,48}Fe, ^{50}Co, ^{50,51,52,53}Ni deduced levels. Two-proton decay observed. Comparison with model predictions. JOUR NUPAB 792 18

A=57

^{57}Fe	2007AL49	NUCLEAR REACTIONS ^{57}Fe(^{3}He, α), (^{3}He, ^{3}He'), E=45 MeV; ^{56}Fe(n, γ), E=thermal; ^{55}Mn(d, n), E=7.0 MeV; measured Eγ, Iγ. Deduced nuclear level densities and radiative strength functions. Compared results to model calculations. JOUR PANUE 70 1634
	2007CO14	NUCLEAR REACTIONS ^{59}Co, ^{93}Nb(polarized p, ^{3}He), E=40-160 MeV; measured σ, angular distributions and analyzing powers. Compared results to model calculations. JOUR PRVCA 75 054617
	2007VO08	NUCLEAR REACTIONS ^{59}Co(d, n), (d, p), (d, α), ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α)^{61}Ni, E=7.5, 10 MeV; measured neutron, proton and α particle spectra, reaction cross sections. ^{57}Fe, ^{60}Ni, ^{60}Cu; deduced level densities. JOUR PRVCA 76 044602
	2007VOZZ	NUCLEAR REACTIONS ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α), E=10 MeV; ^{59}Co(d, n), (d, p), (d, α), E=7.5 MeV; measured En, Ep, Eα. ^{57}Fe, ^{60}Ni, ^{60}Co deduced level densities, Fermi-gas parameters. Comparison with model predictions. PREPRINT arXiv:0704.0916v1 [nucl-ex]
^{57}Co	2006ITZY	NUCLEAR REACTIONS Fe, Ta(d, nX), E=40 MeV; measured neutron spectra, $\sigma(\theta)$. Fe(d, X)^{51}Cr / ^{52}Mn / ^{56}Co / ^{57}Co, E $\approx$ 5-40 MeV; measured production σ. REPT JAEA-Conf 2006-009,P124,Itoga
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E $<$ 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{57}Ni	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303

A=57 *(continued)*

	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E $<$ 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{57}Cu	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
^{57}Zn	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
	2007BL09	RADIOACTIVITY ^{57}Zn, ^{61}Ge(β^{+}p) [from Ni(^{70}Ge, X)]; measured β-delayed proton spectra, T$_{1/2}$. JOUR ZAANE 31 267

A=58

^{58}Cr	2006BUZV	NUCLEAR REACTIONS Au(^{54}Cr, ^{54}Cr'), (^{56}Cr, ^{56}Cr'), (^{58}Cr, ^{58}Cr'), E=100 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced excited states energies, B(E2). Comparison with model predictions and previous results. REPT GSI 2006-1,P146,Burger
	2006ZH42	NUCLEAR REACTIONS ^{208}Pb(^{48}Ca, X)^{56}Cr / ^{58}Cr, E=305 MeV; ^{238}U(^{48}Ca, X)^{56}Cr / ^{58}Cr / ^{60}Cr, E=330 MeV; ^{14}C(^{48}Ca, 2p), (^{48}Ca, 2nα), E=130 MeV; measured Eγ, Iγ, (particle)γ, $\gamma\gamma$-coin. ^{56,58,60}Cr deduced levels, J, π, configurations. Comparison with model predictions. JOUR PRVCA 74 064315
^{58}Fe	2007LI62	NUCLEAR REACTIONS ^{48}Ti(^{11}Be, n), E=41 MeV / nucleon; measured En, In, Eγ, Iγ, $\sigma(\theta)$, (^{10}Be)n-, γn-coin. ^{11}Be deduced spectroscopic factor, configurations. JOUR NUPAB 795 1
^{58}Co	2006SI37	NUCLEAR REACTIONS ^{51}V(^{10}B, 2np), E=33, 36 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coin, DSA. ^{58}Co deduced high-spin levels, J, π, T$_{1/2}$, configurations, B(M1), B(E2). Shell-model calculations. JOUR PRVCA 74 064312
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307

A=58 ***(continued)***

	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
	2007ZE03	NUCLEAR REACTIONS ^{58}Ni(t, ^{3}He), E=115 MeV / nucleon; measured particle spectra, $\sigma(\theta)$. ^{58}Co deduced Gamow-Teller strength distribution. Comparison with other results, model predictions. JOUR NUPAB 787 329c
^{58}Ni	2007AGZV	NUCLEAR REACTIONS ^{58}Ni(^{8}B, ^{8}B), E=20.7, 23.4, 25.3, 27.2, 29.3 MeV; measured ^{8}B(θ); deduced σ_{el} / σ_{Ruth}. TWINSOL facility. CONF Voronezh(Nucleus-2007),Contrib,P120,Aguilera
	2007CE02	NUCLEAR REACTIONS ^{58}Ni(^{110}Sn, ^{110}Sn'), E=2.82 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following Coulomb excitation. ^{110}Sn deduced B(E2) of the first excited 2^{+} state. MINIBALL array at REX-ISOLDE. JOUR PRLTA 98 172501
	2007FU04	NUCLEAR REACTIONS ^{58}Ni(p, p'), E=160 MeV; measured Ep, $\sigma(\theta=0°)$. ^{58}Ni(^{3}He, t), E=140 MeV / nucleon; measured triton spectra, $\sigma(\theta=0°)$. ^{58}Ni, ^{58}Cu deduced 1^{+} level energies, B(GT), isospin symmetry features. Comparison with shell model predictions. JOUR PRVCA 75 034310
	2007HI06	NUCLEAR REACTIONS ^{58}Ni(^{58}Ni, ^{58}Ni), E=260=220 MeV; measured angular distributions. Deduced Mott oscillations. JOUR PRVCA 76 014617
	2007HO13	NUCLEAR REACTIONS ^{58}Ni(p, p'), E=172 MeV; measured cross sections, spin flip cross sections and spin-flip probabilities. Compared results to model calculations. JOUR PRVCA 76 014314
^{58}Cu	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
	2007FU04	NUCLEAR REACTIONS ^{58}Ni(p, p'), E=160 MeV; measured Ep, $\sigma(\theta=0°)$. ^{58}Ni(^{3}He, t), E=140 MeV / nucleon; measured triton spectra, $\sigma(\theta=0°)$. ^{58}Ni, ^{58}Cu deduced 1^{+} level energies, B(GT), isospin symmetry features. Comparison with shell model predictions. JOUR PRVCA 75 034310
	2007ZE06	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
^{58}Zn	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=59

^{59}Fe	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{59}Co	2007SO09	NUCLEAR REACTIONS ^{59}Co(^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), E=12-30 MeV; measured elastic $\sigma(\theta)$; deduced breakup threshold anomaly. JOUR PRVCA 75 044601
^{59}Ni	2007RU09	NUCLEAR REACTIONS ^{58}Ni(n, γ), ^{78}Se(n, γ), E $\approx$ 0-100 keV; measured cross sections using accelerator mass spectrometry. Quasi-stellar neutron spectrum. JOUR NIMBE 259 683
^{59}Zn	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=60

^{60}Cr	2006ZH42	NUCLEAR REACTIONS ^{208}Pb(^{48}Ca, X)^{56}Cr / ^{58}Cr, E=305 MeV; ^{238}U(^{48}Ca, X)^{56}Cr / ^{58}Cr / ^{60}Cr, E=330 MeV; ^{14}C(^{48}Ca, 2p), (^{48}Ca, 2nα), E=130 MeV; measured Eγ, Iγ, (particle)γ, $\gamma\gamma$-coin. ^{56,58,60}Cr deduced levels, J, π, configurations. Comparison with model predictions. JOUR PRVCA 74 064315
^{60}Co	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
	2007VO08	NUCLEAR REACTIONS ^{59}Co(d, n), (d, p), (d, α), ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α)^{61}Ni, E=7.5, 10 MeV; measured neutron, proton and α particle spectra, reaction cross sections. ^{57}Fe, ^{60}Ni, ^{60}Cu; deduced level densities. JOUR PRVCA 76 044602
	2007VOZZ	NUCLEAR REACTIONS ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α), E=10 MeV; ^{59}Co(d, n), (d, p), (d, α), E=7.5 MeV; measured En, Ep, Eα. ^{57}Fe, ^{60}Ni, ^{60}Co deduced level densities, Fermi-gas parameters. Comparison with model predictions. PREPRINT arXiv:0704.0916v1 [nucl-ex]
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{60}Ni	2005NIZS	NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg

A=60 ***(continued)***

	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007VO08	NUCLEAR REACTIONS ^{59}Co(d, n), (d, p), (d, α), ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α)^{61}Ni, E=7.5, 10 MeV; measured neutron, proton and α particle spectra, reaction cross sections. ^{57}Fe, ^{60}Ni, ^{60}Cu; deduced level densities. JOUR PRVCA 76 044602
	2007VOZZ	NUCLEAR REACTIONS ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α), E=10 MeV; ^{59}Co(d, n), (d, p), (d, α), E=7.5 MeV; measured En, Ep, Eα. ^{57}Fe, ^{60}Ni, ^{60}Co deduced level densities, Fermi-gas parameters. Comparison with model predictions. PREPRINT arXiv:0704.0916v1 [nucl-ex]
^{60}Cu	2007VO08	NUCLEAR REACTIONS ^{59}Co(d, n), (d, p), (d, α), ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α)^{61}Ni, E=7.5, 10 MeV; measured neutron, proton and α particle spectra, reaction cross sections. ^{57}Fe, ^{60}Ni, ^{60}Cu; deduced level densities. JOUR PRVCA 76 044602
	2007ZE06	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
^{60}Zn	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
	2007BL09	RADIOACTIVITY ^{57}Zn, ^{61}Ge(β^+p) [from Ni(^{70}Ge, X)]; measured β-delayed proton spectra, $T_{1/2}$. JOUR ZAANE 31 267
	2007WO02	NUCLEAR REACTIONS ^{36}Ar(^{24}Mg, F), E=123.1 MeV; ^{36}Ar(^{25}Mg, F), E=119.3 MeV; measured Eγ, Iγ from GDR decay. ^{60,61}Zn deduced GDR parameters, isospin mixing probability. JOUR APOBB 38 1469
	2007ZH16	NUCLEAR REACTIONS ^{24}Mg(^{36}Ar, X), E=195 MeV; measured fission fragment energy spectra, angular distributions. ^{60}Zn deduced ternary cluster decay from hyperdeformed states in compound nucleus. JOUR JTPLA 85 136
^{60}Ga	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
^{60}Ge	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=61

^{61}Fe	2007LU13	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{61}Fe / ^{62}Fe / ^{63}Fe / ^{64}Fe / ^{65}Fe / ^{66}Fe, E=400 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{61,62,63,64,65}Fe deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 034303
	2007VE05	NUCLEAR REACTIONS ^{9}Be(^{64}Ni, X)^{61}Fe, E=64.6 MeV / nucleon; measured Eγ, Iγ and quadrupole moment of the 9 / 2^{+} isomeric state using time dependent perturbed angular momentum technique. JOUR PRVCA 75 051302
^{61}Co	2006AL31	NUCLEAR REACTIONS Cu(p, X)^{62}Zn / ^{63}Zn / ^{65}Zn / ^{61}Cu / ^{61}Co, E $\approx$ 2-27 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation, comparison with model predictions. JOUR RAACA 94 391
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E $<$ 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{61}Ni	2007VO08	NUCLEAR REACTIONS ^{59}Co(d, n), (d, p), (d, α), ^{58}Fe(^{3}He, n), (^{3}He, p), (^{3}He, α)^{61}Ni, E=7.5, 10 MeV; measured neutron, proton and α particle spectra, reaction cross sections. ^{57}Fe, ^{60}Ni, ^{60}Cu; deduced level densities. JOUR PRVCA 76 044602
	2007ZH12	NUCLEAR REACTIONS ^{64}Zn(n, α), E=5.03, 5.95 MeV; measured Eα, $\sigma(\theta)$; deduced angle-integrated σ. JOUR NSENA 156 115
^{61}Cu	2006AL31	NUCLEAR REACTIONS Cu(p, X)^{62}Zn / ^{63}Zn / ^{65}Zn / ^{61}Cu / ^{61}Co, E $\approx$ 2-27 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation, comparison with model predictions. JOUR RAACA 94 391
	2007HE12	NUCLEAR REACTIONS ^{64}Ni(d, 2n), E=4-20.5 MeV; Ni(d, X)^{61}Cu, E=4-20.5 MeV; measured production cross sections using stacked-foil activation technique. JOUR NIMBE 258 308
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E $<$ 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
	2007UD02	NUCLEAR REACTIONS Zn(p, xn)^{66}Ga / ^{67}Ga, E=4-40 MeV; Zn(p, xnp)^{62}Zn / ^{65}Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)^{61}Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
^{61}Zn	2007WO02	NUCLEAR REACTIONS ^{36}Ar(^{24}Mg, F), E=123.1 MeV; ^{36}Ar(^{25}Mg, F), E=119.3 MeV; measured Eγ, Iγ from GDR decay. ^{60,61}Zn deduced GDR parameters, isospin mixing probability. JOUR APOBB 38 1469
^{61}Ga	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=61 *(continued)*

^{61}Ge	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
	2007BL09	RADIOACTIVITY ^{57}Zn, ^{61}Ge(β^+p) [from Ni(^{70}Ge, X)]; measured β-delayed proton spectra, $T_{1/2}$. JOUR ZAANE 31 267

A=62

^{62}Fe	2007LU13	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{61}Fe / ^{62}Fe / ^{63}Fe / ^{64}Fe / ^{65}Fe / ^{66}Fe, E=400 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{61,62,63,64,65}Fe deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 034303
^{62}Ni	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{62}Cu	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{62}Zn	2006AL31	NUCLEAR REACTIONS Cu(p, X)^{62}Zn / ^{63}Zn / ^{65}Zn / ^{61}Cu / ^{61}Co, E $\approx$ 2-27 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation, comparison with model predictions. JOUR RAACA 94 391
	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E $<$ 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101
	2007STZZ	NUCLEAR REACTIONS C(^{63}Zn, ^{62}ZnX), (^{65}Ge, ^{64}GeX), E not given; measured Doppler-shifted Eγ, Iγ, (recoil)γ-coin. ^{64}Ge, ^{62}Zn deduced transitions $T_{1/2}$, B(E2), quadrupole moments. Recoil distance method, comparison with model predictions. PREPRINT nucl-ex/0703021,3/13/2007
	2007UD02	NUCLEAR REACTIONS Zn(p, xn)^{66}Ga / ^{67}Ga, E=4-40 MeV; Zn(p, xnp)^{62}Zn / ^{65}Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)^{61}Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
^{62}Ge	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=63

^{63}Fe	2007LU13	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{61}Fe / ^{62}Fe / ^{63}Fe / ^{64}Fe / ^{65}Fe / ^{66}Fe, E=400 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{61,62,63,64,65}Fe deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 034303

A=63 *(continued)*

^{63}Ni	2007NAZW	NUCLEAR REACTIONS ^{4}He(γ, X), E < 50 MeV; ^{12}C(α, γ), E(cm)=1.4-1.6 MeV; ^{2}H, ^{62}Ni(n, γ), E= low; measured cross sections. CONF Tokai-mura (Nuclear Data) Proc,PIII.01,Nagai
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
	2008CO01	RADIOACTIVITY ^{63}Ni(β^-); measured T$_{1/2}$. JOUR ARISE 66 60
^{63}Cu	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
	2008CO01	RADIOACTIVITY ^{63}Ni(β^-); measured T$_{1/2}$. JOUR ARISE 66 60
^{63}Zn	2006AB61	NUCLEAR REACTIONS ^{64,67}Zn(n, p), ^{64}Zn(n, 2n), ^{68}Zn(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 63
	2006AL31	NUCLEAR REACTIONS Cu(p, X)^{62}Zn / ^{63}Zn / ^{65}Zn / ^{61}Cu / ^{61}Co, E $\approx$ 2-27 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation, comparison with model predictions. JOUR RAACA 94 391
^{63}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801
^{63}Ge	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=64

^{64}Fe	2006HO20	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{64}Fe / ^{69}Ga, E=430 MeV; measured prompt and delayed Eγ, Iγ, $\gamma\gamma$-coin. ^{64}Fe deduced levels, J, π, configurations. Gammasphere array, comparison with shell model predictions. Level systematics in neighboring nuclides discussed. JOUR PRVCA 74 064313
	2007LU13	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{61}Fe / ^{62}Fe / ^{63}Fe / ^{64}Fe / ^{65}Fe / ^{66}Fe, E=400 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{61,62,63,64,65}Fe deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 034303

A=64 ***(continued)***

^{64}Co	2007PO06	NUCLEAR REACTIONS ^{64}Ni(d, 2p), E=171 MeV; measured σ and angular distributions. Deduced GT strength to low lying states. JOUR PRVCA 75 054312
^{64}Ni	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for T$_{1/2}$. JOUR PRVCA 76 025501
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007QA02	RADIOACTIVITY ^{64}Cu(β^-), (β^+), (EC) [from ^{66}Zn(d, α) and Zn(d, X)]; ^{76}Br, ^{124}I(β^+), (EC) [from ^{76}Se, ^{124}Te(p, n)]; measured Eγ, Eβ, X-ray spectra, $\gamma\gamma$-, $\beta\gamma$-coin; deduced positron emission intensities. JOUR RAACA 95 67
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{64}Cu	2006AB61	NUCLEAR REACTIONS ^{64,67}Zn(n, p), ^{64}Zn(n, 2n), ^{68}Zn(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 63
	2007HE12	NUCLEAR REACTIONS ^{64}Ni(d, 2n), E=4-20.5 MeV; Ni(d, X)^{61}Cu, E=4-20.5 MeV; measured production cross sections using stacked-foil activation technique. JOUR NIMBE 258 308
	2007KI03	NUCLEAR REACTIONS ^{63}Cu, ^{186}W(n, γ), E=1-2 MeV; measured capture σ. JOUR JRNCD 271 553
	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn(2β^-); measured Eγ, Iγ; deduced T$_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007QA02	RADIOACTIVITY ^{64}Cu(β^-), (β^+), (EC) [from ^{66}Zn(d, α) and Zn(d, X)]; ^{76}Br, ^{124}I(β^+), (EC) [from ^{76}Se, ^{124}Te(p, n)]; measured Eγ, Eβ, X-ray spectra, $\gamma\gamma$-, $\beta\gamma$-coin; deduced positron emission intensities. JOUR RAACA 95 67
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{64}Zn	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for T$_{1/2}$. JOUR PRVCA 76 025501

A=64 *(continued)*

	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007LE24	NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11, 12, 13.4 MeV; ^{51}V(^{8}Li, ^{8}Li), E=26 MeV; measured $\sigma(\theta)$. Comparison with optical model. ^{27}Al, ^{64}Zn(^{6}He, ^{6}He), (^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E$\approx$5-25 MeV; analyzed σ. Comparison with other data. Secondary radioactive beam. JOUR NUPAB 787 94c
	2007MI12	RADIOACTIVITY ^{64}Ga(β^+), (EC) [from ^{54}Fe(^{12}C, np)]; measured β-delayed Eγ, Iγ, $\gamma\gamma$-coin. ^{64}Zn deduced levels, J, π, transition strengths. Comparisons with predictions of the E(5) critical point symmetry. JOUR PRVCA 75 044302
	2007QA02	RADIOACTIVITY ^{64}Cu(β^-), (β^+), (EC) [from ^{66}Zn(d, α) and Zn(d, X)]; ^{76}Br, ^{124}I(β^+), (EC) [from ^{76}Se, ^{124}Te(p, n)]; measured Eγ, Eβ, X-ray spectra, $\gamma\gamma$-, $\beta\gamma$-coin; deduced positron emission intensities. JOUR RAACA 95 67
^{64}Ga	2007CL01	ATOMIC MASSES ^{64}Ge, ^{64}Ga; measured mass. Penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 032801
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007MI12	RADIOACTIVITY ^{64}Ga(β^+), (EC) [from ^{54}Fe(^{12}C, np)]; measured β-delayed Eγ, Iγ, $\gamma\gamma$-coin. ^{64}Zn deduced levels, J, π, transition strengths. Comparisons with predictions of the E(5) critical point symmetry. JOUR PRVCA 75 044302
	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801
^{64}Ge	2007CL01	ATOMIC MASSES ^{64}Ge, ^{64}Ga; measured mass. Penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 032801
	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801
	2007ST16	NUCLEAR REACTIONS ^{93}Nb(^{65}Ge, n), E not given; measured Eγ, Iγ and transition rates using recoil distance method. ^{64}Ge deduced B(E2) and lifetimes. JOUR PRLTA 99 042503

A=64 *(continued)*

	2007STZZ	NUCLEAR REACTIONS C(^{63}Zn, ^{62}ZnX), (^{65}Ge, ^{64}GeX), E not given; measured Doppler-shifted Eγ, Iγ, (recoil)γ-coin. ^{64}Ge, ^{62}Zn deduced transitions $T_{1/2}$, B(E2), quadrupole moments. Recoil distance method, comparison with model predictions. PREPRINT nucl-ex/0703021,3/13/2007
^{64}As	2007BL09	NUCLEAR REACTIONS Ni(^{70}Ge, X)^{55}Cu / ^{56}Cu / ^{57}Cu / ^{58}Cu / ^{56}Zn / ^{57}Zn / ^{58}Zn / ^{59}Zn / ^{60}Zn / ^{60}Ga / ^{61}Ga / ^{60}Ge / ^{61}Ge / ^{62}Ge / ^{63}Ge / ^{64}As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=65

^{65}Fe	2007LU13	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{61}Fe / ^{62}Fe / ^{63}Fe / ^{64}Fe / ^{65}Fe / ^{66}Fe, E=400 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{61,62,63,64,65}Fe deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 034303
^{65}Ni	2006AB61	NUCLEAR REACTIONS ^{64,67}Zn(n, p), ^{64}Zn(n, 2n), ^{68}Zn(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 63
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{65}Cu	2007DEZU	NUCLEAR REACTIONS ^{65}Cu(e, e'), E=150, 225 MeV; measured electron energy spectra; deduced reduced transition probability. CONF Iguazu(Nuclear Physics and Applications) Proc,P456,Denyak
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354

A=65 *(continued)*

^{65}Zn	2006AL31	NUCLEAR REACTIONS Cu(p, X)^{62}Zn / ^{63}Zn / ^{65}Zn / ^{61}Cu / ^{61}Co, E $\approx$ 2-27 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation, comparison with model predictions. JOUR RAACA 94 391
	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E $<$ 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101
	2007KO18	NUCLEAR REACTIONS ^{64}Zn(d, p), E=19.5 MeV; measured Eγ, Iγ, radiochemical yield. JOUR RAACA 95 75
	2007UD02	NUCLEAR REACTIONS Zn(p, xn)^{66}Ga / ^{67}Ga, E=4-40 MeV; Zn(p, xnp)^{62}Zn / ^{65}Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)^{61}Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
^{65}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{65}Ge	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

A=66

^{66}Fe	2007LU13	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{61}Fe / ^{62}Fe / ^{63}Fe / ^{64}Fe / ^{65}Fe / ^{66}Fe, E=400 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{61,62,63,64,65}Fe deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 034303
^{66}Ni	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{66}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303

A=66 *(continued)*

	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{66}Zn	2007SP04	NUCLEAR REACTIONS ^{62}Ni(α, γ), E=5, 9 MeV; ^{103}Rh(p, γ), E=3, 5 MeV; measured Eγ, Iγ. Deduced total cross sections. Compared results to model calculations. JOUR PRVCA 76 015802
^{66}Ga	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E $<$ 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101
	2007UD02	NUCLEAR REACTIONS Zn(p, xn)^{66}Ga / ^{67}Ga, E=4-40 MeV; Zn(p, xnp)^{62}Zn / ^{65}Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)^{61}Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
^{66}Ge	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801
^{66}As	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

A=67

^{67}Ni	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{67}Cu	2006AB61	NUCLEAR REACTIONS ^{64,67}Zn(n, p), ^{64}Zn(n, 2n), ^{68}Zn(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 63
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007

A=67 *(continued)*

^{67}Zn 2007YA02 RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

^{67}Ga 2007AL41 NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E < 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101

2007BA04 NUCLEAR REACTIONS ^{197}Au(α, γ), (α, 2n), E=17.9-23.9 MeV; ^{197}Au(α, n), E=13.4-23.9 MeV; measured σ. ^{64}Zn(α, γ), E=7-14 MeV; ^{63}Cu(α, γ), E=7 MeV; measured thick target yields. Activation technique, comparison with model predictions. JOUR PRVCA 75 015802

2007UD02 NUCLEAR REACTIONS Zn(p, xn)^{66}Ga / ^{67}Ga, E=4-40 MeV; Zn(p, xnp)^{62}Zn / ^{65}Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)^{61}Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313

2007YA02 RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

^{67}As 2007SC24 ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

A=68

^{68}Ni 2007BR15 NUCLEAR REACTIONS ^{9}Be(^{86}Kr, X)^{68}Ni, E= 900 MeV / nucleon; measured Eγ, Iγ following projectile coulomb excitation. JOUR APOBB 38 1229

2007GU09 ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303

2007GUZZ ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007

^{68}Cu 2007GU09 ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303

2007GUZZ ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007

A=68 *(continued)*

	2007KE05	NUCLEAR REACTIONS ^{68}Zn(n, p), E=spectrum; measured production cross sections for ground and metastable states. Neutrons from ^{235}U fission. JOUR ARISE 65 872
	2007ST03	NUCLEAR REACTIONS ^{120}Sn(^{68}Cu, ^{68}Cu'), (^{70}Cu, ^{70}Cu'), E=2.83 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{68,70}Cu deduced transitions B(E2). Isomeric beams, comparison with large-scale shell model calculations. JOUR PRLTA 98 122701
^{68}Zn	2007BO04	NUCLEAR REACTIONS ^{12}C(^{68}Zn, ^{68}Zn'), E=180, 200 MeV; measured Eγ, I$\gamma(\theta$, H, t), (particle)γ-coin following projectile Coulomb excitation. ^{68}Zn deduced levels, J, π, g. Transient field technique. Comparison with model predictions. JOUR PRVCA 75 021302
^{68}Ga	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E < 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{68}Ge	2007BA04	NUCLEAR REACTIONS ^{197}Au(α, γ), (α, 2n), E=17.9-23.9 MeV; ^{197}Au(α, n), E=13.4-23.9 MeV; measured σ. ^{64}Zn(α, γ), E=7-14 MeV; ^{63}Cu(α, γ), E=7 MeV; measured thick target yields. Activation technique, comparison with model predictions. JOUR PRVCA 75 015802
^{68}As	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

A=69

^{69}Ni	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007

A=69 ***(continued)***

^{69}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{69}Zn	2007UD02	NUCLEAR REACTIONS Zn(p, xn)^{66}Ga / ^{67}Ga, E=4-40 MeV; Zn(p, xnp)^{62}Zn / ^{65}Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)^{61}Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
	2007VL01	NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E $\approx$ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219
^{69}Ga	2006HO20	NUCLEAR REACTIONS ^{238}U(^{64}Ni, X)^{64}Fe / ^{69}Ga, E=430 MeV; measured prompt and delayed Eγ, Iγ, $\gamma\gamma$-coin. ^{64}Fe deduced levels, J, π, configurations. Gammasphere array, comparison with shell model predictions. Level systematics in neighboring nuclides discussed. JOUR PRVCA 74 064313
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{69}Ge	2007BEZZ	NUCLEAR REACTIONS ^{70,72,76}Ge(n, 2n), ^{76}Ge(n, γ), E=13.96 MeV; measured σ. Activation technique. PREPRINT nucl-ex/0701039,01/23/2007
	2007SU07	ATOMIC MASSES ^{69}Ge, ^{125}Ce; measured masses. ^{125}Ce deduced long-lived isomeric state, excitation energy, T$_{1/2}$. JOUR ZAANE 31 393
^{69}Se	2007SC24	ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ^{69}Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

A=70

^{70}Ni	2007RA27	ATOMIC MASSES ^{70,71,72,73}Ni, ^{73,75}Cu; measured masses using the JYFLTRAP double Penning trap setup; analyzed two neutron and proton separation energies. JOUR ZAANE 34 5

A=70 *(continued)*

^{70}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007ST03	NUCLEAR REACTIONS ^{120}Sn(^{68}Cu, ^{68}Cu'), (^{70}Cu, ^{70}Cu'), E=2.83 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{68,70}Cu deduced transitions B(E2). Isomeric beams, comparison with large-scale shell model calculations. JOUR PRLTA 98 122701
^{70}Zn	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{70}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{70}Ge	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{70}Se	2007HU03	NUCLEAR REACTIONS ^{104}Pd(^{70}Se, ^{70}Se'), E=206 MeV; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{70}Se deduced prolate deformation. JOUR PRLTA 98 072501

A=71

^{71}Ni	2007RA27	ATOMIC MASSES ^{70,71,72,73}Ni, ^{73,75}Cu; measured masses using the JYFLTRAP double Penning trap setup; analyzed two neutron and proton separation energies. JOUR ZAANE 34 5

A=71 *(continued)*

^{71}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{71}Zn	2007VL01	NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E $\approx$ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219
^{71}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
^{71}Ge	2007BEZZ	NUCLEAR REACTIONS ^{70,72,76}Ge(n, 2n), ^{76}Ge(n, γ), E=13.96 MeV; measured σ. Activation technique. PREPRINT nucl-ex/0701039,01/23/2007

A=72

^{72}Ni	2007RA27	ATOMIC MASSES ^{70,71,72,73}Ni, ^{73,75}Cu; measured masses using the JYFLTRAP double Penning trap setup; analyzed two neutron and proton separation energies. JOUR ZAANE 34 5
^{72}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{72}Ga	2007GA29	NUCLEAR REACTIONS ^{72,73}Ge(n, p), E=8.8-11.4 MeV; measured cross sections using activation technique. Compared results to model calculations. JOUR NIMBE 261 969

A=72 ***(continued)***

	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007TU08	NUCLEAR REACTIONS ^{75}As(n, 2n), (n, p), (n, α), E=13.5-14.8 MeV; measured Eγ, Iγ, cross sections using the activation technique. JOUR NIMBE 264 235
	2007VL01	NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E $\approx$ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219
^{72}Ge	2007FR10	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301
	2007FRZZ	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured triton spectra, σ(E, θ). ^{76}Ge, ^{76}Se deduced neutron-pair correlation features. PREPRINT nucl-ex/0701003,01/03/2007
^{72}Kr	2007AN12	NUCLEAR REACTIONS ^{40}Ca(^{40}Ca, 2α), E=165 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coin, DSA. ^{72}Kr deduced high-spin levels, J, π, $T_{1/2}$. Gammasphere, Microball arrays. Doppler shift attenuation method, compared results to isovector mean field theory calculations. JOUR PRVCA 75 041301
	2007YA06	NUCLEAR REACTIONS ^{12}C(^{72}Kr, X), (^{76}Kr, X), (^{80}Kr, X), E$\leq$ 1.05 GeV / nucleon; measured σ. ^{72,76,80}Kr deduced rms matter radii. Secondary beams, Glauber model. Comparison with other data. JOUR NUPAB 787 471c

A=73

^{73}Ni	2007RA27	ATOMIC MASSES ^{70,71,72,73}Ni, ^{73,75}Cu; measured masses using the JYFLTRAP double Penning trap setup; analyzed two neutron and proton separation energies. JOUR ZAANE 34 5
^{73}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007RA27	ATOMIC MASSES ^{70,71,72,73}Ni, ^{73,75}Cu; measured masses using the JYFLTRAP double Penning trap setup; analyzed two neutron and proton separation energies. JOUR ZAANE 34 5

A=73 *(continued)*

^{73}Ga	2007GA29	NUCLEAR REACTIONS ^{72,73}Ge(n, p), E=8.8-11.4 MeV; measured cross sections using activation technique. Compared results to model calculations. JOUR NIMBE 261 969
	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007VL01	NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E $\approx$ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219
^{73}Ge	2007SCZX	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(d, p), E=15 MeV; ^{76}Ge, ^{76}Se(p, d), E=23 MeV; ^{74,76}Ge, ^{76,78}Se(^{3}He, α), E=26 MeV; ^{74,76}Ge, ^{76,78}Se(α, ^{3}He), E=40 MeV; measured cross sections. Deduced spectroscopic factors. PC J P Schiffer/10/2007

A=74

^{74}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{74}Zn	2007VA20	NUCLEAR REACTIONS ^{108}Pd, ^{120}Sn(^{74}Zn, ^{74}Zn'), (^{76}Zn, ^{76}Zn'), (^{78}Zn, ^{78}Zn'), (^{80}Zn, ^{80}Zn'), E=2.79-2.87 MeV / nucleon; measured Eγ, Iγ. ^{74,76,78,80}Zn deduced B(E2). JOUR PRLTA 99 142501
^{74}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
^{74}Ge	2007BA26	RADIOACTIVITY ^{74}Se(β^{+}EC), (2EC); measured $0\nu\beta\beta$-decay and $2\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR NUPAB 785 371

A=74 *(continued)*

	2007FR10	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301
	2007FRZZ	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured triton spectra, σ(E, θ). ^{76}Ge, ^{76}Se deduced neutron-pair correlation features. PREPRINT nucl-ex/0701003,01/03/2007
^{74}As	2007TU08	NUCLEAR REACTIONS ^{75}As(n, 2n), (n, p), (n, α), E=13.5-14.8 MeV; measured Eγ, Iγ, cross sections using the activation technique. JOUR NIMBE 264 235
^{74}Se	2007BA26	RADIOACTIVITY ^{74}Se(β^+EC), (2EC); measured $0\nu\beta\beta$-decay and $2\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR NUPAB 785 371
	2007FR10	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301
	2007FRZZ	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured triton spectra, σ(E, θ). ^{76}Ge, ^{76}Se deduced neutron-pair correlation features. PREPRINT nucl-ex/0701003,01/03/2007
^{74}Kr	2007CL02	NUCLEAR REACTIONS ^{12}C(^{78}Kr, X)^{76,74}Kr, E=68.5 MeV / nucleon; measured Eγ, Iγ and angular distributions; ^{74}Kr, ^{76}Kr; deduced level energies, J, π, B(E2), and shape coexistance. JOUR PRVCA 75 054313
^{74}Rb	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
	2007NA13	NUCLEAR REACTIONS Ca(^{36}Ar, np)^{74}Rb, E=103 MeV; Ca(^{40}Ca, np)^{78}Y, E=118, 121 MeV; measured Eγ, Iγ, $\beta\gamma$-coinc using recoil-decay tagging technique. ^{74}Rb, ^{78}Y deduced coulomb energy differences between T=1 states. JOUR PRVCA 75 061301

A=75

^{75}Cu	2007RA27	ATOMIC MASSES ^{70,71,72,73}Ni, ^{73,75}Cu; measured masses using the JYFLTRAP double Penning trap setup; analyzed two neutron and proton separation energies. JOUR ZAANE 34 5
^{75}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{75}Ge	2007BEZZ	NUCLEAR REACTIONS ^{70,72,76}Ge(n, 2n), ^{76}Ge(n, γ), E=13.96 MeV; measured σ. Activation technique. PREPRINT nucl-ex/0701039,01/23/2007

A=75 *(continued)*

	2007SCZX	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(d, p), E=15 MeV; ^{76}Ge, ^{76}Se(p, d), E=23 MeV; ^{74,76}Ge, ^{76,78}Se(^{3}He, α), E=26 MeV; ^{74,76}Ge, ^{76,78}Se(α, ^{3}He), E=40 MeV; measured cross sections. Deduced spectroscopic factors. PC J P Schiffer/10/2007
	2007TU08	NUCLEAR REACTIONS ^{75}As(n, 2n), (n, p), (n, α), E=13.5-14.8 MeV; measured Eγ, Iγ, cross sections using the activation technique. JOUR NIMBE 264 235
^{75}Se	2007SCZX	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(d, p), E=15 MeV; ^{76}Ge, ^{76}Se(p, d), E=23 MeV; ^{74,76}Ge, ^{76,78}Se(^{3}He, α), E=26 MeV; ^{74,76}Ge, ^{76,78}Se(α, ^{3}He), E=40 MeV; measured cross sections. Deduced spectroscopic factors. PC J P Schiffer/10/2007
^{75}Rb	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504

A=76

^{76}Cu	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{76}Zn	2007VA20	NUCLEAR REACTIONS ^{108}Pd, ^{120}Sn(^{74}Zn, ^{74}Zn'), (^{76}Zn, ^{76}Zn'), (^{78}Zn, ^{78}Zn'), (^{80}Zn, ^{80}Zn'), E=2.79-2.87 MeV / nucleon; measured Eγ, Iγ. ^{74,76,78,80}Zn deduced B(E2). JOUR PRLTA 99 142501
^{76}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{76}Ge	2007FRZZ	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured triton spectra, σ(E, θ). ^{76}Ge, ^{76}Se deduced neutron-pair correlation features. PREPRINT nucl-ex/0701003,01/03/2007
^{76}Se	2007FR10	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301
	2007FRZZ	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(p, t), E=23 MeV; measured triton spectra, σ(E, θ). ^{76}Ge, ^{76}Se deduced neutron-pair correlation features. PREPRINT nucl-ex/0701003,01/03/2007

A=76 *(continued)*

	2007QA02	RADIOACTIVITY ^{64}Cu(β^-), (β^+), (EC) [from ^{66}Zn(d, α) and Zn(d, X)]; ^{76}Br, ^{124}I(β^+), (EC) [from ^{76}Se, ^{124}Te(p, n)]; measured Eγ, Eβ, X-ray spectra, $\gamma\gamma$-, $\beta\gamma$-coin; deduced positron emission intensities. JOUR RAACA 95 67
^{76}Br	2007QA02	RADIOACTIVITY ^{64}Cu(β^-), (β^+), (EC) [from ^{66}Zn(d, α) and Zn(d, X)]; ^{76}Br, ^{124}I(β^+), (EC) [from ^{76}Se, ^{124}Te(p, n)]; measured Eγ, Eβ, X-ray spectra, $\gamma\gamma$-, $\beta\gamma$-coin; deduced positron emission intensities. JOUR RAACA 95 67
^{76}Kr	2007CL02	NUCLEAR REACTIONS ^{12}C(^{78}Kr, X)^{76,74}Kr, E=68.5 MeV / nucleon; measured Eγ, Iγ and angular distributions; ^{74}Kr, ^{76}Kr; deduced level energies, J, π, B(E2), and shape coexistance. JOUR PRVCA 75 054313
	2007YA06	NUCLEAR REACTIONS ^{12}C(^{72}Kr, X), (^{76}Kr, X), (^{80}Kr, X), E$\leq$ 1.05 GeV / nucleon; measured σ. ^{72,76,80}Kr deduced rms matter radii. Secondary beams, Glauber model. Comparison with other data. JOUR NUPAB 787 471c
^{76}Rb	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
^{76}Sr	2007DA04	NUCLEAR REACTIONS ^{40}Ca(^{40}Ca, 2n2p), E=165 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coin. ^{76}Sr deduced high-spin levels, J, π, configurations. Gammasphere, Microball arrays, comparison with model predictions. JOUR PRVCA 75 011302

A=77

^{77}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{77}Ge	2007BEZZ	NUCLEAR REACTIONS ^{70,72,76}Ge(n, 2n), ^{76}Ge(n, γ), E=13.96 MeV; measured σ. Activation technique. PREPRINT nucl-ex/0701039,01/23/2007
	2007LI06	RADIOACTIVITY ^{77}Ge(β^-); measured T$_{1/2}$. JOUR JRNCD 271 311
	2007SCZX	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(d, p), E=15 MeV; ^{76}Ge, ^{76}Se(p, d), E=23 MeV; ^{74,76}Ge, ^{76,78}Se(^{3}He, α), E=26 MeV; ^{74,76}Ge, ^{76,78}Se(α, ^{3}He), E=40 MeV; measured cross sections. Deduced spectroscopic factors. PC J P Schiffer/10/2007
^{77}As	2007LI06	RADIOACTIVITY ^{77}Ge(β^-); measured T$_{1/2}$. JOUR JRNCD 271 311
^{77}Se	2007SCZX	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(d, p), E=15 MeV; ^{76}Ge, ^{76}Se(p, d), E=23 MeV; ^{74,76}Ge, ^{76,78}Se(^{3}He, α), E=26 MeV; ^{74,76}Ge, ^{76,78}Se(α, ^{3}He), E=40 MeV; measured cross sections. Deduced spectroscopic factors. PC J P Schiffer/10/2007

A=77 *(continued)*

^{77}Rb	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504

A=78

^{78}Ni	2007SC29	RADIOACTIVITY ^{78}Ni(β^-); measured $T_{1/2}$. Silicon strip detector. JOUR NUPAB 787 299c
^{78}Cu	2007SC29	RADIOACTIVITY ^{78}Ni(β^-); measured $T_{1/2}$. Silicon strip detector. JOUR NUPAB 787 299c
^{78}Zn	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
	2007VA20	NUCLEAR REACTIONS ^{108}Pd, ^{120}Sn(^{74}Zn, ^{74}Zn'), (^{76}Zn, ^{76}Zn'), (^{78}Zn, ^{78}Zn'), (^{80}Zn, ^{80}Zn'), E=2.79-2.87 MeV / nucleon; measured Eγ, Iγ. ^{74,76,78,80}Zn deduced B(E2). JOUR PRLTA 99 142501
^{78}Ga	2007GU09	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,69,70,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses; analyzed the resulting mass surface for signs of magicity, compared the behavior of N=40 with that of the known magic numbers and with midshell behavior. JOUR PRVCA 75 044303
	2007GUZZ	ATOMIC MASSES ^{57,60,64,65,66,67,68,69}Ni, ^{65,66,67,68,68m,69,70,70m,71,72,73,74,76}Cu, ^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}Ga; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701029,01/22/2007
^{78}Se	2006GA43	RADIOACTIVITY ^{78}Kr(2EC); measured 2K(2ν)-capture $T_{1/2}$ lower limit. JOUR PANUE 69 2124
^{78}Kr	2006GA43	RADIOACTIVITY ^{78}Kr(2EC); measured 2K(2ν)-capture $T_{1/2}$ lower limit. JOUR PANUE 69 2124
^{78}Y	2007NA13	NUCLEAR REACTIONS Ca(^{36}Ar, np)^{74}Rb, E=103 MeV; Ca(^{40}Ca, np)^{78}Y, E=118, 121 MeV; measured Eγ, Iγ, $\beta\gamma$-coinc using recoil-decay tagging technique. ^{74}Rb, ^{78}Y deduced coulomb energy differences between T=1 states. JOUR PRVCA 75 061301

A=79

^{79}Se	2007BI01	RADIOACTIVITY ^{79}Se(β^-); measured $T_{1/2}$. Inductively coupled plasma mass spectrometry, liquid scintillation counting. JOUR ARISE 65 355
	2007MAZV	NUCLEAR REACTIONS ^{80}Se(γ, n), E=9.98-11.80 MeV; measured photoneutron cross section. Calculated stellar neutron capture rates within the framework of the Hauser-Feshbach model. CONF Geneva(NIC-IX) 239
	2007RU09	NUCLEAR REACTIONS ^{58}Ni(n, γ), ^{78}Se(n, γ), E $\approx$ 0-100 keV; measured cross sections using accelerator mass spectrometry. Quasi-stellar neutron spectrum. JOUR NIMBE 259 683

A=79 *(continued)*

	2007SCZX	NUCLEAR REACTIONS ^{74,76}Ge, ^{76,78}Se(d, p), E=15 MeV; ^{76}Ge, ^{76}Se(p, d), E=23 MeV; ^{74,76}Ge, ^{76,78}Se(^{3}He, α), E=26 MeV; ^{74,76}Ge, ^{76,78}Se(α, ^{3}He), E=40 MeV; measured cross sections. Deduced spectroscopic factors. PC J P Schiffer/10/2007
^{79}Br	2007BI01	RADIOACTIVITY ^{79}Se(β^-); measured $T_{1/2}$. Inductively coupled plasma mass spectrometry, liquid scintillation counting. JOUR ARISE 65 355
^{79}Rb	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
^{79}Sr	2007KA13	NUCLEAR REACTIONS ^{54}Fe(^{28}Si, n2p), E=90 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSA. ^{79}Sr deduced high-spin levels, J, π, configurations, $T_{1/2}$, B(E2), B(M1), transition quadrupole moments, β_2. Comparison with cranked mean-field and projected shell-model predictions. JOUR PRVCA 75 034311

A=80

^{80}Zn	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
	2007VA20	NUCLEAR REACTIONS ^{108}Pd, ^{120}Sn(^{74}Zn, ^{74}Zn'), (^{76}Zn, ^{76}Zn'), (^{78}Zn, ^{78}Zn'), (^{80}Zn, ^{80}Zn'), E=2.79-2.87 MeV / nucleon; measured Eγ, Iγ. ^{74,76,78,80}Zn deduced B(E2). JOUR PRLTA 99 142501
^{80}Ga	2007VEZZ	RADIOACTIVITY ^{81}Zn(β^-), (β^-n) [from U(n, F)]; measured Eγ, Iγ, $\beta\gamma$-coin. ^{81}Ga deduced levels, J, π. Level systematics in neighboring nuclides discussed. PREPRINT nucl-ex/0701066,1/26/2007
^{80}Kr	2007YA06	NUCLEAR REACTIONS ^{12}C(^{72}Kr, X), (^{76}Kr, X), (^{80}Kr, X), E$\leq$ 1.05 GeV / nucleon; measured σ. ^{72,76,80}Kr deduced rms matter radii. Secondary beams, Glauber model. Comparison with other data. JOUR NUPAB 787 471c
^{80}Rb	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504

A=81

^{81}Zn	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
	2007VEZZ	RADIOACTIVITY ^{81}Zn(β^-), (β^-n) [from U(n, F)]; measured Eγ, Iγ, $\beta\gamma$-coin. ^{81}Ga deduced levels, J, π. Level systematics in neighboring nuclides discussed. PREPRINT nucl-ex/0701066,1/26/2007

A=81 *(continued)*

^{81}Ga	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
	2007VEZZ	RADIOACTIVITY ^{81}Zn(β^-), (β^-n) [from U(n, F)]; measured Eγ, Iγ, $\beta\gamma$-coin. ^{81}Ga deduced levels, J, π. Level systematics in neighboring nuclides discussed. PREPRINT nucl-ex/0701066,1/26/2007
^{81}Se	2007CI05	NUCLEAR REACTIONS ^{2}H(^{90}Zr, pγ), (^{80}Se, pγ), E=4 MeV / nucleon; measured Eγ, Ep, pγ-coinc. JOUR NIMBE 261 938

A=82

^{82}Ge	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
	2007RZ02	RADIOACTIVITY ^{82}Ge(IT)[from ^{248}Cm(SF)]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{82}Ge deduced levels, J, π. JOUR PRVCA 76 027302
^{82}Se	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd(2β^-); measured 2$\nu\beta\beta$-decay T$_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd(2β^-); measured 2$\nu\beta\beta$-decay T$_{1/2}$. ^{82}Se, ^{100}Mo(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limits. JOUR BRSPE 70 731
^{82}Kr	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd(2β^-); measured 2$\nu\beta\beta$-decay T$_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd(2β^-); measured 2$\nu\beta\beta$-decay T$_{1/2}$. ^{82}Se, ^{100}Mo(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limits. JOUR BRSPE 70 731
^{82}Nb	2007CA26	NUCLEAR REACTIONS ^{9}Be(^{107}Ag, X)^{82}Nb, E=750 MeV / nucleon; measured Eγ, Iγ, lifetime of low lying isomeric state. ^{82}Nb deduced levels, J, π. JOUR APOBB 38 1271
	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=83

^{83}Ga	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
^{83}Ge	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
	2007JO09	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), E=4 MeV / nucleon; ^{2}H(^{84}Se, p), E=4.5 MeV / nucleon; ^{2}H(^{132}Sn, p), E=4.77 MeV / nucleon; measured Ep and angular distributions. ^{83}Ge, ^{85}Se, ^{133}Sn deduced levels, J, π and spectroscopic factors. Compared results to model calculations. JOUR APOBB 38 1205
	2007TH15	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), (^{84}Se, p), E=330, 380 MeV; measured Ep, Ip, recoil-proton-coin, angular distributions; deduced asymptotic normalization coefficients, spectroscopic factors. ^{83}Ge, ^{85}Se; deduced levels, J, π, angular momentum using DWBA analysis. ^{82}Ge, ^{84}Se(n, γ), E=0-1 MeV; calculated cross sections. JOUR PRVCA 76 044302
^{83}As	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
^{83}Rb	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
^{83}Nb	2007FI07	NUCLEAR REACTIONS ^{28}Si(^{58}Ni, 2np)^{83}Nb, E=204, 215 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{83}Nb deduced levels, J, π, transition multipolarities, mixing ratios and transition quadrupole moments. JOUR PRVCA 75 064310

A=84

^{84}Se	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
^{84}Br	2006AS07	NUCLEAR REACTIONS ^{208}Pb(^{18}O, X)^{84}Br / ^{85}Br, E=85 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{84,85}Br deduced high-spin levels, J, π, configurations. Euroball IV array. JOUR ZAANE 30 541
^{84}Sr	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504

A=84 *(continued)*

^{84}Nb	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=85

^{85}Se	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
	2007JO09	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), E=4 MeV / nucleon; ^{2}H(^{84}Se, p), E=4.5 MeV / nucleon; ^{2}H(^{132}Sn, p), E=4.77 MeV / nucleon; measured Ep and angular distributions. ^{83}Ge, ^{85}Se, ^{133}Sn deduced levels, J, π and spectroscopic factors. Compared results to model calculations. JOUR APOBB 38 1205
	2007TH15	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), (^{84}Se, p), E=330, 380 MeV; measured Ep, Ip, recoil-proton-coin, angular distributions; deduced asymptotic normalization coefficients, spectroscopic factors. ^{83}Ge, ^{85}Se; deduced levels, J, π, angular momentum using DWBA analysis. ^{82}Ge, ^{84}Se(n, γ), E=0-1 MeV; calculated cross sections. JOUR PRVCA 76 044302
^{85}Br	2006AS07	NUCLEAR REACTIONS ^{208}Pb(^{18}O, X)^{84}Br / ^{85}Br, E=85 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{84,85}Br deduced high-spin levels, J, π, configurations. Euroball IV array. JOUR ZAANE 30 541
	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
^{85}Rb	2007PE27	NUCLEAR MOMENTS ^{85,87}Rb; measured hfs for excited states. JOUR PYLBB 655 114
^{85}Sr	2007UD01	NUCLEAR REACTIONS ^{89}Y(d, X)^{90m}Y / ^{88}Y / ^{87m}Y / ^{87}Y / ^{88}Zr / ^{89}Zr / ^{85}Sr, E=9-40 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 95 187

A=86

^{86}Br	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007

A=86 *(continued)*

^{86}Rb	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{86}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
^{86}Zr	2007KA12	NUCLEAR REACTIONS Rb(α, xn)^{87}Y / ^{87m}Y / ^{88}Y, E=threshold-26 MeV; Sr(α, xn)^{86}Zr / ^{88}Zr / ^{89}Zr, E=threshold-26 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 65 561
^{86}Mo	2007AN21	NUCLEAR REACTIONS ^{58}Ni(^{36}Ar, X)^{86} / ^{88}Mo, E=111 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{86,88}Mo deduced levels, J, π. JOUR PRVCA 76 014307
^{86}Tc	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=87

^{87}Br	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
	2007RI15	NUCLEAR REACTIONS Pb(p, X)^{17}N / ^{87}Br / ^{88}Br, E=1 GeV; measured delayed neutron yields and precursor production cross sections. JOUR ZAANE 32 1
^{87}Kr	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
^{87}Rb	2007GR05	RADIOACTIVITY ^{10}Be, ^{40}K, ^{87}Rb(β^-); measured Eβ; deduced shape-factor functions, cutoff energy yields, maximum-point energies. Comparison with previous results. JOUR NIMAE 572 760
	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504

A=87 *(continued)*

	2007PE27	NUCLEAR MOMENTS ^{85,87}Rb; measured hfs for excited states. JOUR PYLBB 655 114
^{87}Sr	2007GR05	RADIOACTIVITY ^{10}Be, ^{40}K, ^{87}Rb(β^-); measured Eβ; deduced shape-factor functions, cutoff energy yields, maximum-point energies. Comparison with previous results. JOUR NIMAE 572 760
^{87}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
	2007KA12	NUCLEAR REACTIONS Rb(α, xn)^{87}Y / ^{87m}Y / ^{88}Y, E=threshold-26 MeV; Sr(α, xn)^{86}Zr / ^{88}Zr / ^{89}Zr, E=threshold-26 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 65 561
	2007UD01	NUCLEAR REACTIONS ^{89}Y(d, X)^{90m}Y / ^{88}Y / ^{87m}Y / ^{87}Y / ^{88}Zr / ^{89}Zr / ^{85}Sr, E=9-40 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 95 187
^{87}Tc	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=88

^{88}Br	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
	2007RI15	NUCLEAR REACTIONS Pb(p, X)^{17}N / ^{87}Br / ^{88}Br, E=1 GeV; measured delayed neutron yields and precursor production cross sections. JOUR ZAANE 32 1
^{88}Sr	2007GOZW	NUCLEAR REACTIONS Sr(n, n'γ)^{88}Sr, E=fast; measured Eγ, Iγ, DSAM; ^{88}Sr deduced levels, J, π, τ. Reactor, fast neutron facilities. CONF Voronezh(Nucleus-2007),Contrib,P102,Govor
	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
	2007SC36	NUCLEAR REACTIONS ^{88}Sr(γ, γ'), E=9.0, 13.2, 16.0 MeV; measured Eγ, Iγ and angular distributions. ^{88}Sr deduced levels, J, π, photon scattering and photoabsortption cross sections. JOUR PRVCA 76 034321

A=88 ***(continued)***

^{88}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
	2007KA12	NUCLEAR REACTIONS Rb(α, xn)^{87}Y / ^{87m}Y / ^{88}Y, E=threshold-26 MeV; Sr(α, xn)^{86}Zr / ^{88}Zr / ^{89}Zr, E=threshold-26 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 65 561
	2007QA03	NUCLEAR REACTIONS Sr(p, nx)^{88}Y, E=9-14 MeV; Rb(α, nx)^{88}Y, E=12-18 MeV;^{141}Pr(p, 2n), E=15-30 MeV; Ce(^{3}He, nx)^{140}Nd, E=20-35 MeV; ^{153}Eu(n, p), E=14 MeV;^{150}Nd(α, n), E=15-25 MeV; measured yields, excitation function and cross section. JOUR RAACA 95 313
	2007UD01	NUCLEAR REACTIONS ^{89}Y(d, X)^{90m}Y / ^{88}Y / ^{87m}Y / ^{87}Y / ^{88}Zr / ^{89}Zr / ^{85}Sr, E=9-40 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 95 187
^{88}Zr	2007KA12	NUCLEAR REACTIONS Rb(α, xn)^{87}Y / ^{87m}Y / ^{88}Y, E=threshold-26 MeV; Sr(α, xn)^{86}Zr / ^{88}Zr / ^{89}Zr, E=threshold-26 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 65 561
	2007SC39	NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E≈13.2 MeV bremsstrahlung; measured Eγ, Iγ, angular distributions, photoabsorption σ. ^{92}Mo(γ, n), (γ, p), (γ, α), E≈10-16.5 MeV bremsstrahlung; measured activation yields and compared with QRPA calculations. JOUR NUPAB 788 331c
	2007UD01	NUCLEAR REACTIONS ^{89}Y(d, X)^{90m}Y / ^{88}Y / ^{87m}Y / ^{87}Y / ^{88}Zr / ^{89}Zr / ^{85}Sr, E=9-40 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 95 187
^{88}Mo	2007AN21	NUCLEAR REACTIONS ^{58}Ni(^{36}Ar, X)^{86} / ^{88}Mo, E=111 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{86,88}Mo deduced levels, J, π. JOUR PRVCA 76 014307
^{88}Tc	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=89

^{89}Br	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007

A=89 *(continued)*

^{89}Sr 2006AB62 NUCLEAR REACTIONS ^{90,91}Zr(n, p), ^{92,94}Zr(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 381

^{89}Y 2006CA38 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143

2007CH07 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133

^{89}Zr 2007HU02 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ). ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. JOUR PRVCA 75 014606

2007HU16 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured measured σ, angular distributions. Deduced ISGDR direct-decay branching ratios. JOUR APOBB 38 1479

2007HU20 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407

2007KA12 NUCLEAR REACTIONS Rb(α, xn)^{87}Y / ^{87m}Y / ^{88}Y, E=threshold-26 MeV; Sr(α, xn)^{86}Zr / ^{88}Zr / ^{89}Zr, E=threshold-26 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 65 561

2007UD01 NUCLEAR REACTIONS ^{89}Y(d, X)^{90m}Y / ^{88}Y / ^{87m}Y / ^{87}Y / ^{88}Zr / ^{89}Zr / ^{85}Sr, E=9-40 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 95 187

2007WO06 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ), excitation energy spectra. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. ^{140}Ce(α, $\alpha\gamma$), E=136 MeV; measured Eγ, Eα. ^{140}Ce deduced E1 strength distribution. JOUR NUPAB 788 27c

A=90

^{90}Br 2007RA23 ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87

2007RAZY ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007

^{90}Sr 2007AL42 RADIOACTIVITY ^{90}Sr(β^-); measured internal bremsstrahlung spectrum using the beta-stopper method. Compared results to model calculations. JOUR IMPEE 16 1733

^{90}Y 2006AB62 NUCLEAR REACTIONS ^{90,91}Zr(n, p), ^{92,94}Zr(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 381

A=90 *(continued)*

	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007AL42	RADIOACTIVITY ^{90}Sr(β^-); measured internal bremsstrahlung spectrum using the beta-stopper method. Compared results to model calculations. JOUR IMPEE 16 1733
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
	2007SE01	RADIOACTIVITY ^{90}Y(β^-); measured Eγ, Iγ. ^{90}Zr transition deduced branching ratio for internal pair production. JOUR ARISE 65 318
	2007UD01	NUCLEAR REACTIONS ^{89}Y(d, X)^{90m}Y / ^{88}Y / ^{87m}Y / ^{87}Y / ^{88}Zr / ^{89}Zr / ^{85}Sr, E=9-40 MeV; measured excitation functions. Stacked-foil activation. JOUR RAACA 95 187
^{90}Zr	2007HU02	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ). ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. JOUR PRVCA 75 014606
	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407
	2007SE01	RADIOACTIVITY ^{90}Y(β^-); measured Eγ, Iγ. ^{90}Zr transition deduced branching ratio for internal pair production. JOUR ARISE 65 318
	2007VA01	NUCLEAR REACTIONS ^{90}Zr(α, t), (α, pt), E=180 MeV; measured triton and proton spectra, pt-coin. ^{91}Nb deduced excited states energies, proton emission features. Optical-model coupled-channels analysis. JOUR PRVCA 75 014311
	2007WO06	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ), excitation energy spectra. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. ^{140}Ce(α, $\alpha\gamma$), E=136 MeV; measured Eγ, Eα. ^{140}Ce deduced E1 strength distribution. JOUR NUPAB 788 27c
^{90}Nb	2007ZE06	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

A=91

^{91}Br	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87

A=91 *(continued)*

	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
^{91}Sr	2006AB62	NUCLEAR REACTIONS ^{90,91}Zr(n, p), ^{92,94}Zr(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 381
^{91}Y	2006AB62	NUCLEAR REACTIONS ^{90,91}Zr(n, p), ^{92,94}Zr(n, α), E=reactor; measured spectrum-averaged σ. Activation, radiochemical separation. JOUR RAACA 94 381
	2007TR10	NUCLEAR REACTIONS ^{92}Zr, ^{183}W(γ, p), E=10-25 MeV; measured Eγ, Iγ. Deduced isomeric ratios. JOUR PPNLA 4 397
^{91}Zr	2007CI05	NUCLEAR REACTIONS ^{2}H(^{90}Zr, pγ), (^{80}Se, pγ), E=4 MeV / nucleon; measured Eγ, Ep, pγ-coinc. JOUR NIMBE 261 938
	2007CO14	NUCLEAR REACTIONS ^{59}Co, ^{93}Nb(polarized p, ^{3}He), E=40-160 MeV; measured σ, angular distributions and analyzing powers. Compared results to model calculations. JOUR PRVCA 75 054617
	2007TH07	NUCLEAR REACTIONS ^{82}Se(^{13}C, 4n)^{91}Zr, E=50 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{91}Zr deduced levels, J, π. JOUR APOBB 38 1381
^{91}Nb	2007SC39	NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E≈13.2 MeV bremsstrahlung; measured Eγ, Iγ, angular distributions, photoabsorption σ. ^{92}Mo(γ, n), (γ, p), (γ, α), E≈10-16.5 MeV bremsstrahlung; measured activation yields and compared with QRPA calculations. JOUR NUPAB 788 331c
	2007VA01	NUCLEAR REACTIONS ^{90}Zr(α, t), (α, pt), E=180 MeV; measured triton and proton spectra, pt-coin. ^{91}Nb deduced excited states energies, proton emission features. Optical-model coupled-channels analysis. JOUR PRVCA 75 014311
^{91}Mo	2007SC39	NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E≈13.2 MeV bremsstrahlung; measured Eγ, Iγ, angular distributions, photoabsorption σ. ^{92}Mo(γ, n), (γ, p), (γ, α), E≈10-16.5 MeV bremsstrahlung; measured activation yields and compared with QRPA calculations. JOUR NUPAB 788 331c

A=92

^{92}Br	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
^{92}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143

A=92 *(continued)*

	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
^{92}Zr	2007CO21	NUCLEAR REACTIONS ^{208}Pb(^{40}Ca, X), E=235, 249 MeV; analyzed single and paired nucleon transfer σ. ^{208}Pb(^{40}Ca, X)^{42}Ca, E=225, 236, 250 MeV; analyzed total kinetic energy loss distribution. ^{208}Pb(^{90}Zr, X), E=560 MeV; analyzed fragment mass distributions, σ; measured Eγ, Iγ, (particle)γ-coin, DSA. ^{92}Zr deduced levels, J, π. ^{238}U(^{82}Se, X), E=500 MeV; measured fragment yields, σ. Prisma and Clara arrays. Mutli-nucleon transfer reaction mechanisms discussed. JOUR NUPAB 787 160c
	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
	2007NA05	NUCLEAR REACTIONS ^{91,93}Zr(n, γ), E=thermal; measured prompt Eγ, Iγ; deduced σ lower limits. JOUR JNSTA 44 21
^{92}Mo	2007SC39	NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E$\approx$13.2 MeV bremsstrahlung; measured Eγ, Iγ, angular distributions, photoabsorption σ. ^{92}Mo(γ, n), (γ, p), (γ, α), E$\approx$10-16.5 MeV bremsstrahlung; measured activation yields and compared with QRPA calculations. JOUR NUPAB 788 331c
^{92}Rh	2007PE14	NUCLEAR REACTIONS ^{40}Ca(^{58}Ni, npα), E=240 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{92}Rh deduced levels, J, π. JOUR PRVCA 76 011304

A=93

^{93}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
^{93}Nb	2006WAZX	NUCLEAR REACTIONS ^{82}Se(^{16}O, 4np), E=100 MeV; measured prompt and delayed Eγ, Iγ, $\gamma\gamma$-coin, γ-ray polarization. ^{93}Nb deduced high-spin levels, J, π, isomer T$_{1/2}$. REPT CNS-REP-69,P25,Wakabayashi
	2007CH20	NUCLEAR REACTIONS ^{93}Nb(t, t), E=12 MeV; measured $\sigma(\theta)$; deduced optical model parameters. JOUR APOBB 38 181
	2007OR01	NUCLEAR REACTIONS ^{93}Nb(γ, γ'), E=2.75 MeV bremsstrahlung; measured Eγ, Iγ. ^{93}Nb(n, n'γ), E=2.1, 2.6 MeV; measured Eγ, Iγ, DSA. ^{94}Zr(p, 2n), E=11.5-19 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, angular correlations. ^{93}Nb deduced levels, J, π, δ, T$_{1/2}$. JOUR PRVCA 75 014303

A=93 *(continued)*

^{93}Tc	2007KH06	NUCLEAR REACTIONS Mo(p, xn)^{93}Tc / ^{93m}Tc / ^{94}Tc / ^{94m}Tc, E=10-30 MeV; measured proton induced cross sections using stacked foil activation technique. JOUR KPSJA 50 1518

A=94

^{94}Rb	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
^{94}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
^{94}Zr	2007EL01	NUCLEAR REACTIONS ^{94}Zr(n, n'γ), E=2.3 MeV; measured Eγ, Iγ, DSA. ^{94}Zr deduced levels, J, π, δ, B(M1), B(E2), mixed-symmetry state. JOUR PRVCA 75 011301
	2007NA05	NUCLEAR REACTIONS ^{91,93}Zr(n, γ), E=thermal; measured prompt Eγ, Iγ; deduced σ lower limits. JOUR JNSTA 44 21
^{94}Mo	2007BU23	NUCLEAR REACTIONS ^{94}Mo(e, e'), E=70 MeV; ^{94}Mo(p, p'), E=200 MeV; measured σ and excitation strengths. Compared results to model calculations. JOUR PRLTA 99 092503
	2007FU12	NUCLEAR REACTIONS ^{94}Mo(e, e'), E=70 MeV; ^{94}Mo(p, p')E=200 MeV; measured excitation energy spectra; deduced mixed-symmetry state features. Comparison with shell model, quasiparticle phonon model and interacting boson model. JOUR NUPAB 788 94c
^{94}Tc	2007KH06	NUCLEAR REACTIONS Mo(p, xn)^{93}Tc / ^{93m}Tc / ^{94}Tc / ^{94m}Tc, E=10-30 MeV; measured proton induced cross sections using stacked foil activation technique. JOUR KPSJA 50 1518
	2007SH01	NUCLEAR REACTIONS ^{93}Nb(α, n), (α, 2n), (α, 3n), E $\approx$ 10-40 MeV; measured excitation functions, isomer ratios; deduced role of pre-equilibrium neutron emission. Stacked-foil activation technique. JOUR ZAANE 31 43
^{94}Ru	2007MI14	RADIOACTIVITY ^{94}Rh(β^+), (EC) [from ^{58}Ni(^{40}Ca, n3p)]; measured β-delayed Eγ, Iγ, $\gamma\gamma$-coin. ^{94}Ru deduced levels, J, π, configurations. Empirical shell model analysis. JOUR PRVCA 75 047302
^{94}Rh	2007MI14	RADIOACTIVITY ^{94}Rh(β^+), (EC) [from ^{58}Ni(^{40}Ca, n3p)]; measured β-delayed Eγ, Iγ, $\gamma\gamma$-coin. ^{94}Ru deduced levels, J, π, configurations. Empirical shell model analysis. JOUR PRVCA 75 047302
^{94}Ag	2007RO16	NUCLEAR REACTIONS ^{58}Ni(^{40}Ca, 3np), E not given; measured Ep, Eγ, pγ-coinc. Deduced spectroscopic factors and deformation parameters. JOUR APOBB 38 1121

A=95

^{95}Kr	2007SI16	NUCLEAR REACTIONS ^{239,241}Pu(n, F), E=thermal; measured Eγ, Iγ from isomeric decays. ^{95}Kr, ^{96}Rb, ^{98}Zr deduced levels, J, π. JOUR APOBB 38 1321
^{95}Rb	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87
	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
^{95}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{95}Zr	2007SZ05	NUCLEAR REACTIONS ^{98}Zr(^{40}Ca, X), E=152 MeV; ^{208}Pb(^{90}Zr, X), E=560 MeV; measured EΓ, Iγ, (particle)γ-coinc. ^{95}Zr, ^{42}Ca deduced levels. JOUR PRVCA 76 024604
^{95}Tc	2007BU30	RADIOACTIVITY ^{95}Ru(β^+) [from ^{92}Mo(α, n), E=17 MeV]; measured β-delayed Eγ, Iγ, $\gamma\gamma$-c0inc. ^{95}Tc deduced levels, J, π. Compared results to shell model calculations. JOUR ZAANE 32 123
	2007SH01	NUCLEAR REACTIONS ^{93}Nb(α, n), (α, 2n), (α, 3n), E $\approx$ 10-40 MeV; measured excitation functions, isomer ratios; deduced role of pre-equilibrium neutron emission. Stacked-foil activation technique. JOUR ZAANE 31 43
	2007SH35	RADIOACTIVITY ^{95}Ru(β^+), (EC) [from ^{92}Mo(α, n), E=17 MeV]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{95}Tc deduced levels, J, π. Compared results to model calculations. JOUR ZAANE 32 149
^{95}Ru	2007BU30	RADIOACTIVITY ^{95}Ru(β^+) [from ^{92}Mo(α, n), E=17 MeV]; measured β-delayed Eγ, Iγ, $\gamma\gamma$-c0inc. ^{95}Tc deduced levels, J, π. Compared results to shell model calculations. JOUR ZAANE 32 123
	2007SH35	RADIOACTIVITY ^{95}Ru(β^+), (EC) [from ^{92}Mo(α, n), E=17 MeV]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{95}Tc deduced levels, J, π. Compared results to model calculations. JOUR ZAANE 32 149

A=96

^{96}Rb	2007RA23	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87

A=96 *(continued)*

	2007RAZY	ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007
	2007SI16	NUCLEAR REACTIONS ^{239,241}Pu(n, F), E=thermal; measured Eγ, Iγ from isomeric decays. ^{95}Kr, ^{96}Rb, ^{98}Zr deduced levels, J, π. JOUR APOBB 38 1321
^{96}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{96}Zr	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR BRSPE 70 731
^{96}Mo	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR BRSPE 70 731
	2007LE05	NUCLEAR REACTIONS ^{96}Mo(n, n'γ), E=2-4 MeV; measured Eγ, Iγ, DSA. ^{96}Mo deduced levels, J, π, δ, $T_{1/2}$, B(M1), B(E2), mixed-symmetry states. JOUR PRVCA 75 034318
^{96}Tc	2006MU20	NUCLEAR REACTIONS ^{93}Nb(^{16}O, X)^{103}Ag / ^{104}Ag / ^{105}Ag / ^{96}Tc / ^{98}Rh / ^{99}Rh, E=96 MeV; measured production σ, recoil range distributions; deduced contribution from incomplete fusion. JOUR RAACA 94 301
	2007SH01	NUCLEAR REACTIONS ^{93}Nb(α, n), (α, 2n), (α, 3n), E $\approx$ 10-40 MeV; measured excitation functions, isomer ratios; deduced role of pre-equilibrium neutron emission. Stacked-foil activation technique. JOUR ZAANE 31 43
^{96}Pd	2007MY02	NUCLEAR REACTIONS ^{9}Be(^{107}Ag, X)^{96}Pd, E=750 MeV / nucleon; measured Eγ, Iγ from the decay of the isomeric states. Deduced isomeric ratios. JOUR APOBB 38 1277

A=97

^{97}Rb 2007RA23 ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses using the JYFLTRAP. Deduced Q-values. Compared results to previous measurements. JOUR ZAANE 32 87

2007RAZY ATOMIC MASSES ^{85,86,87,88,89,90,91,92}Br, ^{94,95,96,97}Rb; measured masses. Penning trap mass spectrometer. PREPRINT nucl-ex/0703017,3/12/2007

^{97}Y 2006CA38 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143

2007BI14 NUCLEAR MOMENTS ^{97m}Y, ^{176,176m}Yb, ^{178,178m}Hf; measured isomer shifts, μ, quadrupole moments, radii; deduced hyperfine structure coefficients. Laser spectroscopy. JOUR PYLBB 645 330

2007CH07 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133

2007HA32 ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

^{97}Ru 2007CEZZ NUCLEAR REACTIONS ^{59}Co(^{16}O, X), E=400 MeV; measured Z=5-7 fragments σ(E, θ). ^{103}Rh(^{12}C, X)^{111m}In / ^{108}In / ^{105}Ag / ^{101}Pd / ^{102m}Rh / ^{97}Ru, E $\approx$ 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti

2007DI06 NUCLEAR REACTIONS Pd(p, X)^{105}Ag / ^{106m}Ag / ^{100}Pd / ^{101m}Rh / ^{97}Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNCD 272 231

^{97}Rh 2007SEZW NUCLEAR REACTIONS ^{96}Ru(p, γ), E=4.0-6.5 MeV; measured Eγ, Iγ; ^{97}Rh deduced levels, Jπ. CONF Voronezh(Nucleus-2007),Contrib,P101,Sergeev

A=98

^{98}Y 2006CA38 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143

2007CH07 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133

2007HA32 ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

A=98 *(continued)*

^{98}Zr	2006SI36	RADIOACTIVITY ^{98}Zr(IT) [from ^{239}Pu(n, F)]; measured Eγ, Iγ, $\gamma\gamma$-coin, $T_{1/2}$. ^{98}Zr deduced levels, J, π, configurations. JOUR PRVCA 74 064308
	2006SI36	NUCLEAR REACTIONS ^{239}Pu(n, F), E=thermal; measured prompt and delayed Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin. ^{98}Zr deduced high-spin isomer, $T_{1/2}$, configurations. Mass separator. JOUR PRVCA 74 064308
	2007SI16	NUCLEAR REACTIONS ^{239,241}Pu(n, F), E=thermal; measured Eγ, Iγ from isomeric decays. ^{95}Kr, ^{96}Rb, ^{98}Zr deduced levels, J, π. JOUR APOBB 38 1321
^{98}Mo	2007LA03	NUCLEAR REACTIONS ^{168}Er(^{30}Si, F)^{98}Mo / ^{100}Mo / ^{102}Mo, E=142 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{98,100,102}Mo deduced levels, J, π. Euroball III array, Soft-octupole vibration model analysis. JOUR PRVCA 75 014314
	2007SC39	NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E≈13.2 MeV bremsstrahlung; measured Eγ, Iγ, angular distributions, photoabsorption σ. ^{92}Mo(γ, n), (γ, p), (γ, α), E≈10-16.5 MeV bremsstrahlung; measured activation yields and compared with QRPA calculations. JOUR NUPAB 788 331c
^{98}Rh	2006MU20	NUCLEAR REACTIONS ^{93}Nb(^{16}O, X)^{103}Ag / ^{104}Ag / ^{105}Ag / ^{96}Tc / ^{98}Rh / ^{99}Rh, E=96 MeV; measured production σ, recoil range distributions; deduced contribution from incomplete fusion. JOUR RAACA 94 301

A=99

^{99}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{99}Mo	2007JO13	NUCLEAR REACTIONS ^{27}Al(^{178}Hf, X), E=1150 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{99}Mo deduced levels, J, π, half-life, isomer, band structure. JOUR PRVCA 76 047303
^{99}Tc	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{99}Ru	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

A=99 *(continued)*

^{99}Rh 2006MU20 NUCLEAR REACTIONS ^{93}Nb(^{16}O, X)^{103}Ag / ^{104}Ag / ^{105}Ag / ^{96}Tc / ^{98}Rh / ^{99}Rh, E=96 MeV; measured production σ, recoil range distributions; deduced contribution from incomplete fusion. JOUR RAACA 94 301

2007NG01 NUCLEAR REACTIONS ^{45}Sc(γ, n), ^{103}Rh(γ, 4n), E=65 MeV / bremsstrahlung; Ti(γ, X)^{44}Sc, E=65 MeV / bremsstrahlung; Fe(γ, X)^{52}Mn, E=65 MeV / bremsstrahlung; measured σ, isomer ratios. Activation method. JOUR KPSJA 50 417

A=100

^{100}Y 2006CA38 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143

2007CH07 NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133

2007HA32 ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

^{100}Zr 2007RI01 RADIOACTIVITY ^{100,102,104}Zr(β^-); measured β-delayed Eγ, Iγ; deduced Qβ, log ft. ^{100,102,104}Nb deduced levels, J, π. Penning trap. JOUR ZAANE 31 1

2007RI01 ATOMIC MASSES ^{100,102,104}Zr, ^{100,102,104}Nb; measured masses. Penning trap. JOUR ZAANE 31 1

^{100}Nb 2007RI01 RADIOACTIVITY ^{100,102,104}Zr(β^-); measured β-delayed Eγ, Iγ; deduced Qβ, log ft. ^{100,102,104}Nb deduced levels, J, π. Penning trap. JOUR ZAANE 31 1

2007RI01 ATOMIC MASSES ^{100,102,104}Zr, ^{100,102,104}Nb; measured masses. Penning trap. JOUR ZAANE 31 1

^{100}Mo 2006CH64 NUCLEAR REACTIONS ^{100}Mo(t, t), E=12 MeV; measured $\sigma(\theta)$; deduced optical model parameters. JOUR APSVC 56 491

2006SH31 RADIOACTIVITY ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. JOUR PANUE 69 2090

2006SH32 RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR BRSPE 70 731

2007LA03 NUCLEAR REACTIONS ^{168}Er(^{30}Si, F)^{98}Mo / ^{100}Mo / ^{102}Mo, E=142 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{98,100,102}Mo deduced levels, J, π. Euroball III array, Soft-octupole vibration model analysis. JOUR PRVCA 75 014314

A=100 *(continued)*

	2007SC39	NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E≈13.2 MeV bremsstrahlung; measured Eγ, Iγ, angular distributions, photoabsorption σ. ^{92}Mo(γ, n), (γ, p), (γ, α), E≈10-16.5 MeV bremsstrahlung; measured activation yields and compared with QRPA calculations. JOUR NUPAB 788 331c
^{100}Ru	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd(2β^-); measured 2$\nu\beta\beta$-decay T$_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd(2β^-); measured 2$\nu\beta\beta$-decay T$_{1/2}$. ^{82}Se, ^{100}Mo(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limits. JOUR BRSPE 70 731
^{100}Pd	2007DI06	NUCLEAR REACTIONS Pd(p, X)^{105}Ag / ^{106m}Ag / ^{100}Pd / ^{101m}Rh / ^{97}Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNCD 272 231
^{100}Cd	2006KAZR	RADIOACTIVITY ^{101}Sn(β^+p) [from ^{50}Cr(^{58}Ni, xnyp)]; measured β-delayed proton spectrum. ^{101}Sn deduced ground-state J, π. REPT GSI 2006-1,P152,Kavatsyuk
	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
	2007KA15	RADIOACTIVITY ^{101}Sn(β^+), (EC), (β^+p) [from ^{50}Cr(^{58}Ni, 3nα)]; measured β-delayed Ep, Eγ, $\gamma\gamma$-coin, T$_{1/2}$. ^{101}Sn deduced ground-state J, π. ^{101}In deduced transitions. Mass separator. JOUR ZAANE 31 319

A=101

^{101}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{101}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{101}Rh	2007DI06	NUCLEAR REACTIONS Pd(p, X)^{105}Ag / ^{106m}Ag / ^{100}Pd / ^{101m}Rh / ^{97}Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNCD 272 231

A=101 ***(continued)***

	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{101}Pd	2007CEZZ	NUCLEAR REACTIONS ^{59}Co(^{16}O, X), E=400 MeV; measured Z=5-7 fragments σ(E, θ). ^{103}Rh(^{12}C, X)^{111m}In / ^{108}In / ^{105}Ag / ^{101}Pd / ^{102m}Rh / ^{97}Ru, E $\approx$ 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti
^{101}In	2007KA15	RADIOACTIVITY ^{101}Sn(β^{+}), (EC), (β^{+}p) [from ^{50}Cr(^{58}Ni, 3nα)]; measured β-delayed Ep, Eγ, $\gamma\gamma$-coin, T$_{1/2}$. ^{101}Sn deduced ground-state J, π. ^{101}In deduced transitions. Mass separator. JOUR ZAANE 31 319
^{101}Sn	2006KAZR	RADIOACTIVITY ^{101}Sn(β^{+}p) [from ^{50}Cr(^{58}Ni, xnyp)]; measured β-delayed proton spectrum. ^{101}Sn deduced ground-state J, π. REPT GSI 2006-1,P152,Kavatsyuk
	2007KA15	RADIOACTIVITY ^{101}Sn(β^{+}), (EC), (β^{+}p) [from ^{50}Cr(^{58}Ni, 3nα)]; measured β-delayed Ep, Eγ, $\gamma\gamma$-coin, T$_{1/2}$. ^{101}Sn deduced ground-state J, π. ^{101}In deduced transitions. Mass separator. JOUR ZAANE 31 319
	2007KA15	NUCLEAR REACTIONS ^{50}Cr(^{58}Ni, 3nα), E=4.9, 5.2 MeV / nucleon; measured delayed Ep; deduced σ. Mass separator. JOUR ZAANE 31 319
	2007SE04	NUCLEAR REACTIONS ^{46}Ti(^{58}Ni, X)^{101}Sn, E=192 MeV; measured Eγ, Ep, pγ-coinc. ^{101}Sn deduced levels and relative single particle energies. JOUR PRLTA 99 022504

A=102

^{102}Y	2006CA38	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
	2007CH07	NUCLEAR MOMENTS ^{86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102}Y; measured isotope and isomer shifts, μ, quadrupole moments, radii, deformation. Laser spectroscopy. JOUR PYLBB 645 133
^{102}Zr	2007RI01	RADIOACTIVITY ^{100,102,104}Zr(β^{-}); measured β-delayed Eγ, Iγ; deduced Qβ, log ft. ^{100,102,104}Nb deduced levels, J, π. Penning trap. JOUR ZAANE 31 1
	2007RI01	ATOMIC MASSES ^{100,102,104}Zr, ^{100,102,104}Nb; measured masses. Penning trap. JOUR ZAANE 31 1
^{102}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
	2007RI01	RADIOACTIVITY ^{100,102,104}Zr(β^{-}); measured β-delayed Eγ, Iγ; deduced Qβ, log ft. ^{100,102,104}Nb deduced levels, J, π. Penning trap. JOUR ZAANE 31 1
	2007RI01	ATOMIC MASSES ^{100,102,104}Zr, ^{100,102,104}Nb; measured masses. Penning trap. JOUR ZAANE 31 1

A=102 *(continued)*

^{102}Mo	2007LA03	NUCLEAR REACTIONS ^{168}Er(^{30}Si, F)^{98}Mo / ^{100}Mo / ^{102}Mo, E=142 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{98,100,102}Mo deduced levels, J, π. Euroball III array, Soft-octupole vibration model analysis. JOUR PRVCA 75 014314
^{102}Rh	2007CEZZ	NUCLEAR REACTIONS ^{59}Co(^{16}O, X), E=400 MeV; measured Z=5-7 fragments σ(E, θ). ^{103}Rh(^{12}C, X)^{111m}In / ^{108}In / ^{105}Ag / ^{101}Pd / ^{102m}Rh / ^{97}Ru, E $\approx$ 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti
^{102}Cd	2007BO17	NUCLEAR REACTIONS ^{92}Mo(^{12}C, 2n), E=41 MeV; ^{94}Mo(^{12}C, 2n), E=42 MeV; measured Eγ, Iγ and lifetimes for low lying states using recoil distance Doppler shift technique. Deduced B(E2). JOUR PRVCA 75 054311

A=103

^{103}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{103}Rh	2006CH61	NUCLEAR REACTIONS ^{103}Rh(γ, γ'), E=6 MeV bremsstrahlung; measured prompt and delayed Eγ, Iγ; deduced isomer yield. Gravitational effects discussed. JOUR HYIND 167 833
^{103}Pd	2006RO50	NUCLEAR REACTIONS ^{104}Pd(d, t), E=15 MeV; measured triton spectra, $\sigma(\theta)$. ^{103}Pd deduced low lying levels, J, π. JOUR BJPHE 36 1363
^{103}Ag	2006MU20	NUCLEAR REACTIONS ^{93}Nb(^{16}O, X)^{103}Ag / ^{104}Ag / ^{105}Ag / ^{96}Tc / ^{98}Rh / ^{99}Rh, E=96 MeV; measured production σ, recoil range distributions; deduced contribution from incomplete fusion. JOUR RAACA 94 301
^{103}Cd	2007CH74	NUCLEAR REACTIONS ^{72}Ge(^{35}Cl, 3np), E=135 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma(\theta)$, multipolarities. ^{103}Cd deduced levels, J, π, angular momentum, bands; calculated shell-model configurations. Gammasphere array. JOUR PRVCA 76 044327
	2007CHZS	NUCLEAR REACTIONS ^{72}Ge(^{35}Cl, 3np), E=135 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{103}Cd deduced levels, J, π, multipolarities. PREPRINT arXiv:0709.1702v1 [nucl-ex]

A=104

^{104}Zr	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured T$_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007RI01	RADIOACTIVITY ^{100,102,104}Zr(β^-); measured β-delayed Eγ, Iγ; deduced Qβ, log ft. ^{100,102,104}Nb deduced levels, J, π. Penning trap. JOUR ZAANE 31 1

A=104 *(continued)*

	2007RI01	ATOMIC MASSES ^{100,102,104}Zr, ^{100,102,104}Nb; measured masses. Penning trap. JOUR ZAANE 31 1
^{104}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
	2007RI01	RADIOACTIVITY ^{100,102,104}Zr(β^-); measured β-delayed Eγ, Iγ; deduced Qβ, log ft. ^{100,102,104}Nb deduced levels, J, π. Penning trap. JOUR ZAANE 31 1
	2007RI01	ATOMIC MASSES ^{100,102,104}Zr, ^{100,102,104}Nb; measured masses. Penning trap. JOUR ZAANE 31 1
^{104}Pd	2007HU03	NUCLEAR REACTIONS ^{104}Pd(^{70}Se, ^{70}Se'), E=206 MeV; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{70}Se deduced prolate deformation. JOUR PRLTA 98 072501
	2007SP04	NUCLEAR REACTIONS ^{62}Ni(α, γ), E=5, 9 MeV; ^{103}Rh(p, γ), E=3, 5 MeV; measured Eγ, Iγ. Deduced total cross sections. Compared results to model calculations. JOUR PRVCA 76 015802
^{104}Ag	2006MU20	NUCLEAR REACTIONS ^{93}Nb(^{16}O, X)^{103}Ag / ^{104}Ag / ^{105}Ag / ^{96}Tc / ^{98}Rh / ^{99}Rh, E=96 MeV; measured production σ, recoil range distributions; deduced contribution from incomplete fusion. JOUR RAACA 94 301
^{104}Cd	2007BO17	NUCLEAR REACTIONS ^{92}Mo(^{12}C, 2n), E=41 MeV; ^{94}Mo(^{12}C, 2n), E=42 MeV; measured Eγ, Iγ and lifetimes for low lying states using recoil distance Doppler shift technique. Deduced B(E2). JOUR PRVCA 75 054311

A=105

^{105}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{105}Mo	2006PI14	RADIOACTIVITY ^{248}Cm(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{105}Mo deduced levels, J, π, rotational bands, configurations, triaxial deformation. Eurogam2 array. JOUR PRVCA 74 064304
^{105}Ag	2006MU20	NUCLEAR REACTIONS ^{93}Nb(^{16}O, X)^{103}Ag / ^{104}Ag / ^{105}Ag / ^{96}Tc / ^{98}Rh / ^{99}Rh, E=96 MeV; measured production σ, recoil range distributions; deduced contribution from incomplete fusion. JOUR RAACA 94 301
	2006ZHZY	NUCLEAR REACTIONS ^{96}Zr(^{19}F, xnypzα)^{107}Cd / ^{108}Cd / ^{109}Cd / ^{105}Ag / ^{106}Ag / ^{107}Ag, E=5.45, 6.0 MeV / nucleon; measured Eγ, Iγ, (charged particle)γ-coin, γ-ray yields. REPT CNS-REP-69,P12,Zheng
	2007CEZZ	NUCLEAR REACTIONS ^{59}Co(^{16}O, X), E=400 MeV; measured Z=5-7 fragments σ(E, θ). ^{103}Rh(^{12}C, X)^{111m}In / ^{108}In / ^{105}Ag / ^{101}Pd / ^{102m}Rh / ^{97}Ru, E $\approx$ 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti

A=105 *(continued)*

	2007DI06	NUCLEAR REACTIONS Pd(p, X)^{105}Ag / ^{106m}Ag / ^{100}Pd / ^{101m}Rh / ^{97}Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNCD 272 231
	2007TI07	NUCLEAR REACTIONS ^{100}Mo(^{10}B, 5n), E=58, 64 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{105}Ag deduced levels, J, π, multipolarities. JOUR PRVCA 76 024307
^{105}Sb	2007MA35	RADIOACTIVITY ^{109}I(α); measured Eα, Qα and branching ratio. JOUR PRLTA 98 212501

A=106

^{106}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{106}Mo	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured T$_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
^{106}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{106}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{106}Pd	2006BR32	RADIOACTIVITY ^{106}Cd(β^{+}EC), (2EC); measured 2$\nu\beta\beta$-decay T$_{1/2}$ lower limits. JOUR BRSPE 70 316
	2006RU15	RADIOACTIVITY ^{106}Cd(β^{+}EC), (2EC); measured 2ν-accompanied decay T$_{1/2}$ lower limits. JOUR PANUE 69 2117
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^{-}\beta^{-}$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^{+}\beta^{+}$); measured summed Eβ. Deduced upper limits for T$_{1/2}$. JOUR PRVCA 76 025501
	2007RO11	NUCLEAR REACTIONS ^{105}Pd(n, γ), E=10-90 keV; measured capture cross sections relative to standard capture cross sections for ^{197}Au. JOUR KPSJA 50 1598
	2007RUZY	RADIOACTIVITY ^{106}Cd(β^{+}EC), (2EC); measured $\gamma\gamma$, xγ-coin; deduced T$_{1/2}$ lower limits for 2νEC / EC decay, for 2$\nu\beta^{+}$ / EC and 2νEC / EC branches to ground and excited states. Underground laboratory, TGV-2spectrometer. CONF Voronezh(Nucleus-2007),Contrib,P181,Rukhadze
^{106}Ag	2006ZHZY	NUCLEAR REACTIONS ^{96}Zr(^{19}F, xnypzα)^{107}Cd / ^{108}Cd / ^{109}Cd / ^{105}Ag / ^{106}Ag / ^{107}Ag, E=5.45, 6.0 MeV / nucleon; measured Eγ, Iγ, (charged particle)γ-coin, γ-ray yields. REPT CNS-REP-69,P12,Zheng

A=106 *(continued)*

	2007DI06	NUCLEAR REACTIONS Pd(p, X)^{105}Ag / ^{106m}Ag / ^{100}Pd / ^{101m}Rh / ^{97}Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNCD 272 231
	2007HU04	NUCLEAR REACTIONS ^{106}Pd(p, n), E=6.1-7.5 MeV; ^{110}Pd(p, n), E=6.0-7.7 MeV; measured excitation functions. ^{107,111}Pd deduced IAR energies, J, π. JOUR CHPHD 16 989
	2007JO01	NUCLEAR REACTIONS ^{100}Mo(^{10}B, 4n), E=42 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{106}Ag deduced high-spin levels, J, π, B(M1) / B(E2), configurations, γ-softness. Gammasphere array, total Routhian surface calculation. JOUR PRLTA 98 102501
^{106}Cd	2006BR32	RADIOACTIVITY ^{106}Cd(β^+EC), (2EC); measured 2$\nu\beta\beta$-decay T$_{1/2}$ lower limits. JOUR BRSPE 70 316
	2006RU15	RADIOACTIVITY ^{106}Cd(β^+EC), (2EC); measured 2ν-accompanied decay T$_{1/2}$ lower limits. JOUR PANUE 69 2117
	2007AS05	NUCLEAR REACTIONS ^{98}Mo(^{12}C, 4n)^{106}Cd, E=60 MeV; ^{96}Mo(^{13}C, 3n)^{106}Cd, E=43 MeV; measured Eγ, Iγ, lifetimes for isomeric states. JOUR APOBB 38 1385
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for T$_{1/2}$. JOUR PRVCA 76 025501
	2007LI07	RADIOACTIVITY ^{106}In(β^+), (EC) [from ^{106}Cd(p, n)]; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{106}Cd deduced levels, J, π, δ, configurations, possible quadrupole-octupole coupled state. JOUR PRVCA 75 024310
	2007LI07	NUCLEAR REACTIONS ^{106}Cd(γ, γ'), E=3.1 MeV bremsstrahlung; measured Eγ, Iγ. ^{106}Cd deduced levels, J, π, δ, configurations, possible quadrupole-octupole coupled state. JOUR PRVCA 75 024310
	2007RUZY	RADIOACTIVITY ^{106}Cd(β^+EC), (2EC); measured $\gamma\gamma$, xγ-coin; deduced T$_{1/2}$ lower limits for 2νEC / EC decay, for 2$\nu\beta^+$ / EC and 2νEC / EC branches to ground and excited states. Underground laboratory, TGV-2spectrometer. CONF Voronezh(Nucleus-2007),Contrib,P181,Rukhadze
^{106}In	2007LI07	RADIOACTIVITY ^{106}In(β^+), (EC) [from ^{106}Cd(p, n)]; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{106}Cd deduced levels, J, π, δ, configurations, possible quadrupole-octupole coupled state. JOUR PRVCA 75 024310
^{106}Sn	2007VA22	NUCLEAR REACTIONS ^{197}Au(^{106}Sn, ^{106}Sn'), (^{108}Sn, ^{108}Sn'), (^{110}Sn, ^{110}sn'), (^{112}Sn, ^{112}Sn'), E=78-81 MeV; measured Eγ, Iγ, (particle)γ-coinc from projectile coulomb excitation. ^{106,108,110,112}Sn deduced B(E2). JOUR PRLTA 99 162501

A=107

^{107}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{107}Mo	2006PI14	NUCLEAR REACTIONS ^{241}Pu(n, F), E=thermal; measured prompt and delayed Eγ, Iγ. ^{107}Mo deduced levels, isomer T$_{1/2}$, branching ratios, triaxial deformation. JOUR PRVCA 74 064304

A=107 ***(continued)***

^{107}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007SI06	RADIOACTIVITY ^{107}Tc(IT) [from ^{241}Pu(n, F)]; measured Eγ, $T_{1/2}$ from mass-separated source. ^{107}Tc deduced isomeric level J, π, configuration, deformation. JOUR PRVCA 75 027301
	2007SI06	NUCLEAR REACTIONS ^{241}Pu(n, F), E=thermal; measured delayed Eγ, Iγ, (particle)γ-coin. ^{107}Tc deduced isomeric level J, π, configuration, deformation. JOUR PRVCA 75 027301
^{107}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{107}Pd	2007HU04	NUCLEAR REACTIONS ^{106}Pd(p, n), E=6.1-7.5 MeV; ^{110}Pd(p, n), E=6.0-7.7 MeV; measured excitation functions. ^{107,111}Pd deduced IAR energies, J, π. JOUR CHPHD 16 989
^{107}Ag	2005NIZS	NUCLEAR REACTIONS Ni(^{22}Ne, ^{22}Ne'), E=2.25 MeV / nucleon; ^{107}Ag(^{22}Ne, ^{22}Ne'), E=2.86 MeV / nucleon; Ni(^{30}Mg, ^{30}Mg'), E=2.25 MeV / nucleon; ^{60}Ni, ^{107}Ag(^{30}Mg, ^{30}Mg'), E=2.69 MeV / nucleon; U(p, X)^{22}Ne / ^{30}Mg / ^{32}Mg, E=1.01-1.40 GeV; measured Eγ, I$\gamma(\theta)$, (particle)γ-coinc, cross sections following projectile and target Coulomb excitation. ^{22}Ne, ^{30}Mg, ^{32}Mg, ^{107}Ag deduced levels, B(E2), half-lives, deformations. REX-ISOLDE-CERN facility. Coupled-channel and GOSIA analyses. ^{24}Mg, ^{26}Mg, ^{28}Mg, ^{30}Mg, ^{32}Mg, ^{34}Mg systematics of B(E2) values. Comparisons with shell-model calculations. THESIS O T Niedermaier, Univ Heidelberg
	2006ZHZY	NUCLEAR REACTIONS ^{96}Zr(^{19}F, xnypzα)^{107}Cd / ^{108}Cd / ^{109}Cd / ^{105}Ag / ^{106}Ag / ^{107}Ag, E=5.45, 6.0 MeV / nucleon; measured Eγ, Iγ, (charged particle)γ-coin, γ-ray yields. REPT CNS-REP-69,P12,Zheng
^{107}Cd	2006ZHZY	NUCLEAR REACTIONS ^{96}Zr(^{19}F, xnypzα)^{107}Cd / ^{108}Cd / ^{109}Cd / ^{105}Ag / ^{106}Ag / ^{107}Ag, E=5.45, 6.0 MeV / nucleon; measured Eγ, Iγ, (charged particle)γ-coin, γ-ray yields. REPT CNS-REP-69,P12,Zheng
^{107}In	2007GY03	NUCLEAR REACTIONS ^{106,108}Cd(p, γ), E=2.4-4.7 MeV; measured activation σ; deduced astrophysical S-factors. Comparison with model predictions. JOUR JPGPE 34 817
	2007GYZZ	NUCLEAR REACTIONS ^{106,108}Cd(p, γ), E=2.4-4.7 MeV; measured σ; deduced astrophysical S-factors. Comparison with model predictions. PREPRINT nucl-ex/0703045,3/29/2007
	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=108

^{108}Mo	2007DI09	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-conic using the Gammasphere array. ^{108}Mo deduced level energies, J, π. JOUR CPLEE 24 1517
^{108}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{108}Ru	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured T$_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{108}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{108}Pd	2007NA10	NUCLEAR REACTIONS ^{107}Pd(n, γ), E=thermal; measured Eγ, Iγ; deduced capture σ. Comparison with previous results. JOUR JNSTA 44 103
	2007VA20	NUCLEAR REACTIONS ^{108}Pd, ^{120}Sn(^{74}Zn, ^{74}Zn'), (^{76}Zn, ^{76}Zn'), (^{78}Zn, ^{78}Zn'), (^{80}Zn, ^{80}Zn'), E=2.79-2.87 MeV / nucleon; measured Eγ, Iγ. ^{74,76,78,80}Zn deduced B(E2). JOUR PRLTA 99 142501
^{108}Cd	2006ZHZY	NUCLEAR REACTIONS ^{96}Zr(^{19}F, xnypzα)^{107}Cd / ^{108}Cd / ^{109}Cd / ^{105}Ag / ^{106}Ag / ^{107}Ag, E=5.45, 6.0 MeV / nucleon; measured Eγ, Iγ, (charged particle)γ-coin, γ-ray yields. REPT CNS-REP-69,P12,Zheng
^{108}In	2007CEZZ	NUCLEAR REACTIONS ^{59}Co(^{16}O, X), E=400 MeV; measured Z=5-7 fragments σ(E, θ). ^{103}Rh(^{12}C, X)^{111m}In / ^{108}In / ^{105}Ag / ^{101}Pd / ^{102m}Rh / ^{97}Ru, E $\approx$ 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti
	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
^{108}Sn	2007VA22	NUCLEAR REACTIONS ^{197}Au(^{106}Sn, ^{106}Sn'), (^{108}Sn, ^{108}Sn'), (^{110}Sn, ^{110}sn'), (^{112}Sn, ^{112}Sn'), E=78-81 MeV; measured Eγ, Iγ, (particle)γ-coinc from projectile coulomb excitation. ^{106,108,110,112}Sn deduced B(E2). JOUR PRLTA 99 162501

A=109

^{109}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{109}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{109}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{109}Pd	2007MA66	NUCLEAR REACTIONS ^{110}Pd, ^{112}Cd(γ, n), E=8-18 MeV; measured cross sections and excitation functions for populating the isomeric states. JOUR UKPJA 52 744
^{109}Ag	2007VI10	RADIOACTIVITY ^{109}Cd(EC); measured Eγ, Iγ, E(X-ray). ^{109}Ag deduced double ionization probability. JOUR BRSPE 71 890
^{109}Cd	2006ZHZY	NUCLEAR REACTIONS ^{96}Zr(^{19}F, xnypzα)^{107}Cd / ^{108}Cd / ^{109}Cd / ^{105}Ag / ^{106}Ag / ^{107}Ag, E=5.45, 6.0 MeV / nucleon; measured Eγ, Iγ, (charged particle)γ-coin, γ-ray yields. REPT CNS-REP-69,P12,Zheng
	2007VI10	RADIOACTIVITY ^{109}Cd(EC); measured Eγ, Iγ, E(X-ray). ^{109}Ag deduced double ionization probability. JOUR BRSPE 71 890
^{109}In	2007GY03	NUCLEAR REACTIONS ^{106,108}Cd(p, γ), E=2.4-4.7 MeV; measured activation σ; deduced astrophysical S-factors. Comparison with model predictions. JOUR JPGPE 34 817
	2007GYZZ	NUCLEAR REACTIONS ^{106,108}Cd(p, γ), E=2.4-4.7 MeV; measured σ; deduced astrophysical S-factors. Comparison with model predictions. PREPRINT nucl-ex/0703045,3/29/2007
	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
^{109}I	2007MA35	RADIOACTIVITY ^{109}I(α); measured Eα, Qα and branching ratio. JOUR PRLTA 98 212501

A=110

^{110}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=110 *(continued)*

^{110}Ru	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured T$_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{110}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{110}Ag	2007HU04	NUCLEAR REACTIONS ^{106}Pd(p, n), E=6.1-7.5 MeV; ^{110}Pd(p, n), E=6.0-7.7 MeV; measured excitation functions. ^{107,111}Pd deduced IAR energies, J, π. JOUR CHPHD 16 989
^{110}In	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
^{110}Sn	2007CE02	NUCLEAR REACTIONS ^{58}Ni(^{110}Sn, ^{110}Sn'), E=2.82 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following Coulomb excitation. ^{110}Sn deduced B(E2) of the first excited 2^{+} state. MINIBALL array at REX-ISOLDE. JOUR PRLTA 98 172501
	2007VA22	NUCLEAR REACTIONS ^{197}Au(^{106}Sn, ^{106}Sn'), (^{108}Sn, ^{108}Sn'), (^{110}Sn, ^{110}sn'), (^{112}Sn, ^{112}Sn'), E=78-81 MeV; measured Eγ, Iγ, (particle)γ-coinc from projectile coulomb excitation. ^{106,108,110,112}Sn deduced B(E2). JOUR PRLTA 99 162501
^{110}Te	2007PA34	NUCLEAR REACTIONS ^{58}Ni(^{58}Ni, 2pα), E=250 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{110}Te deduced levels, J, π, multipolarity. JOUR PRVCA 76 034322
	2007PA35	NUCLEAR REACTIONS ^{58}Ni(^{58}Ni, 2pα), E=240, 250 MeV; measured Eγ, Iγ, $\gamma\gamma$, (particle)γ-coinc. ^{110}Te deduced levels, J, π, multipolarity. JOUR PRVCA 76 034323
^{110}Xe	2007SA36	NUCLEAR REACTIONS ^{58}Ni(^{54}Fe, X)^{110}Xe, E=195 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{110}Xe deduced levels and B(E2). JOUR PRLTA 99 022501

A=111

^{111}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=111 *(continued)*

^{111}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{111}Pd	2007HU04	NUCLEAR REACTIONS ^{106}Pd(p, n), E=6.1-7.5 MeV; ^{110}Pd(p, n), E=6.0-7.7 MeV; measured excitation functions. ^{107,111}Pd deduced IAR energies, J, π. JOUR CHPHD 16 989
^{111}Cd	2007MA66	NUCLEAR REACTIONS ^{110}Pd, ^{112}Cd(γ, n), E=8-18 MeV; measured cross sections and excitation functions for populating the isomeric states. JOUR UKPJA 52 744
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{111}In	2007CEZZ	NUCLEAR REACTIONS ^{59}Co(^{16}O, X), E=400 MeV; measured Z=5-7 fragments σ(E, θ). ^{103}Rh(^{12}C, X)^{111m}In / ^{108}In / ^{105}Ag / ^{101}Pd / ^{102m}Rh / ^{97}Ru, E $\approx$ 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E$<$ 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

A=112

^{112}Ru	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=112 ***(continued)***

^{112}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{112}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{112}Cd	2007DAZX	RADIOACTIVITY ^{124}Sn($2\beta^-$); ^{112}Sn(β^+EC), (2EC); measured Eγ, Iγ. Deduced lower limits for $T_{1/2}$. PREPRINT arXiv:0709.4342v1 [nucl-ex]
	2007GA22	NUCLEAR REACTIONS ^{112}Cd(n, n'γ), E=fast; measured Eγ, Iγ, angular distributions and lifetimes using Dopler shift attenuation technique. Deduced B(E1) and B(M1). JOUR PRVCA 75 054310
^{112}In	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for $\beta+$, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
^{112}Sn	2007DAZX	RADIOACTIVITY ^{124}Sn($2\beta^-$); ^{112}Sn(β^+EC), (2EC); measured Eγ, Iγ. Deduced lower limits for $T_{1/2}$. PREPRINT arXiv:0709.4342v1 [nucl-ex]
	2007GA44	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα, σ(E, θ). ^{112,114,116,118,120,122,124}Sn deduced GMR energy, strength distributions, moment ratios. Comparison with other data and calculations. JOUR NUPAB 788 36c
	2007GA45	NUCLEAR REACTIONS ^{100}Mo(^{20}Ne, 4nα), E=136 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{112}Sn deduced levels, J, π, lifetimes, multipolirities, and B(E2). JOUR NUPAB 789 1
	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for $\beta+$, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007LI61	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. JOUR PRLTA 99 162503
	2007LIZX	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. PREPRINT arXiv:0709.0567v1 [nucl-ex]
	2007OR04	NUCLEAR REACTIONS ^{112}Sn(n, n'γ), E=1.7 MeV; measured Eγ, Ig, angular distributions. Deduced lifetime and B(E2) using DSAM. JOUR PRVCA 76 021302

A=112 ***(continued)***

	2007OZ04	NUCLEAR REACTIONS ^{112,120}Sn(γ, γ'), E≈9-11 MeV bremsstrahlung; measured Eγ, Iγ. ^{112}Sn deduced B(E1) strength distribution. Sn analyzed B(E1). JOUR NUPAB 788 385c
	2007VA22	NUCLEAR REACTIONS ^{197}Au(^{106}Sn, ^{106}Sn'), (^{108}Sn, ^{108}Sn'), (^{110}Sn, ^{110}sn'), (^{112}Sn, ^{112}Sn'), E=78-81 MeV; measured Eγ, Iγ, (particle)γ-coinc from projectile coulomb excitation. ^{106,108,110,112}Sn deduced B(E2). JOUR PRLTA 99 162501
^{112}Te	2007PA07	NUCLEAR REACTIONS ^{58}Ni(^{58}Ni, 4p), (^{58}Ni, 2p), E=240, 250 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coin, DSA. ^{112}Te deduced high-spin levels, J, π, $T_{1/2}$, configurations, deformation, band termination features. ^{114}Xe levels deduced $T_{1/2}$, transition quadrupole moment. Gammasphere, Microball arrays. JOUR PRVCA 75 014308

A=113

^{113}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007KU23	RADIOACTIVITY ^{113}Ru, ^{113}Rh(β^-) [from ^{248}cm(SF)]; measured Eγ, Iγ, $\beta\gamma$, $\gamma\gamma$-coinc. ^{113}Ru, Rh deduced levels, J, π, logft.Compared results to model calculations. JOUR ZAANE 33 307
^{113}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007KU23	RADIOACTIVITY ^{113}Ru, ^{113}Rh(β^-) [from ^{248}cm(SF)]; measured Eγ, Iγ, $\beta\gamma$, $\gamma\gamma$-coinc. ^{113}Ru, Rh deduced levels, J, π, logft.Compared results to model calculations. JOUR ZAANE 33 307
^{113}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007KU23	RADIOACTIVITY ^{113}Ru, ^{113}Rh(β^-) [from ^{248}cm(SF)]; measured Eγ, Iγ, $\beta\gamma$, $\gamma\gamma$-coinc. ^{113}Ru, Rh deduced levels, J, π, logft.Compared results to model calculations. JOUR ZAANE 33 307
^{113}In	2006BI19	NUCLEAR REACTIONS ^{113}In, ^{195}Pt, ^{199}Hg(γ, γ'), E=4-12 MeV; measured isomer production σ. JOUR BRSPE 70 292
	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=113 ***(continued)***

	2007VI09	NUCLEAR REACTIONS ^{113,115}In(e$^+$, e$^+$'), E=3.9 MeV; measured Eγ, Iγ from isomeric excitations. JOUR BRSPE 71 884

A=114

^{114}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{114}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{114}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{114}In	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
^{114}Sn	2007GA44	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα, σ(E, θ). ^{112,114,116,118,120,122,124}Sn deduced GMR energy, strength distributions, moment ratios. Comparison with other data and calculations. JOUR NUPAB 788 36c
	2007LI61	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. JOUR PRLTA 99 162503
	2007LIZX	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. PREPRINT arXiv:0709.0567v1 [nucl-ex]
^{114}Xe	2007PA07	NUCLEAR REACTIONS ^{58}Ni(^{58}Ni, 4p), (^{58}Ni, 2p), E=240, 250 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (charged particle)γ-coin, DSA. ^{112}Te deduced high-spin levels, J, π, $T_{1/2}$, configurations, deformation, band termination features. ^{114}Xe levels deduced $T_{1/2}$, transition quadrupole moment. Gammasphere, Microball arrays. JOUR PRVCA 75 014308

A=115

^{115}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007KU06	RADIOACTIVITY ^{115}Ru(β^-) [from ^{238}U(p, F)]; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{115}Rh deduced levels, J, π. Level systematics in neighboring nuclides discussed. JOUR ZAANE 31 263
^{115}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007KU06	RADIOACTIVITY ^{115}Ru(β^-) [from ^{238}U(p, F)]; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{115}Rh deduced levels, J, π. Level systematics in neighboring nuclides discussed. JOUR ZAANE 31 263
^{115}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{115}Cd	2006VI11	NUCLEAR REACTIONS ^{114}Cd(n, γ), ^{116}Sn(n, γ), ^{124}Te(n, γ), E=reactor spectrum; measured x-ray spectra. deduced K-shell internal conversion coefficients. JOUR BRSPE 70 1842
	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{115}In	2007CA05	RADIOACTIVITY ^{115}In(β^-); measured β-delayed Eγ, Iγ, T$_{1/2}$ for decay to excited state; deduced Qβ, log ft. Implication for neutrino mass discussed. JOUR PANUE 70 127
	2007TA10	NUCLEAR REACTIONS Cd(d, x)^{107}In / ^{108}In / ^{108m}In / ^{109}In / ^{110}In / ^{110m}In / ^{111}In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag, E< 40 MeV; measured Eγ, Iγ, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
	2007VI09	NUCLEAR REACTIONS ^{113,115}In(e$^+$, e$^+$'), E=3.9 MeV; measured Eγ, Iγ from isomeric excitations. JOUR BRSPE 71 884
^{115}Sn	2007CA05	RADIOACTIVITY ^{115}In(β^-); measured β-delayed Eγ, Iγ, T$_{1/2}$ for decay to excited state; deduced Qβ, log ft. Implication for neutrino mass discussed. JOUR PANUE 70 127
	2007HU02	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ). ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. JOUR PRVCA 75 014606
	2007HU16	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured measured σ, angular distributions. Deduced ISGDR direct-decay branching ratios. JOUR APOBB 38 1479

A=115 *(continued)*

	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407
	2007WO06	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ), excitation energy spectra. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. ^{140}Ce(α, $\alpha\gamma$), E=136 MeV; measured Eγ, Eα. ^{140}Ce deduced E1 strength distribution. JOUR NUPAB 788 27c
^{115}Sb	2007OZ01	NUCLEAR REACTIONS ^{112}Sn(α, γ), (α, p), E(cm)=7.59-11.42 MeV; measured σ; deduced astrophysical S-factors. Activation technique. JOUR PRVCA 75 025801
	2007SKZZ	NUCLEAR REACTIONS ^{115,116,120}Sn(p, n), E=4.5-9.0 MeV; measured cross sections using activation technique. Compared cross sections, S-factors and reaction rates to Hauser-Feshbach statistical theory predictions. CONF Geneva(NIC-IX) 204

A=116

^{116}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{116}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{116}Cd	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR BRSPE 70 731
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{116}In	2006GE20	NUCLEAR REACTIONS B, C, ^{27}Al, Cu, ^{115}In(polarized n, γ), E=low; measured Eγ, I$\gamma(\theta)$; deduced upper bounds on parity-violating γ-ray asymmetry. JOUR PRVCA 74 065503
	2007SA47	NUCLEAR REACTIONS ^{116}Cd(p, n), E=300 MeV; measured excitation energy spectrum. ^{116}In deduced Gamow-Teller strength distribution, nuclear matrix elements. Comparison with other data. JOUR NUPAB 788 76c

A=116 *(continued)*

	2007VIZZ	NUCLEAR REACTIONS ^{118}Sn(γ, p), (γ, d), ^{121}Sb(γ, n), (γ, α), (γ, αn), E(end point)=22 MeV; measured integral cross-sections. Betatron, activation method, NaI(Tl) detector. CONF Voronezh(Nucleus-2007),Contrib,P121,Vishnevsky
^{116}Sn	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR BRSPE 70 731
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
	2007GA44	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα, σ(E, θ). ^{112,114,116,118,120,122,124}Sn deduced GMR energy, strength distributions, moment ratios. Comparison with other data and calculations. JOUR NUPAB 788 36c
	2007HU02	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ). ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. JOUR PRVCA 75 014606
	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407
	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
	2007LI61	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. JOUR PRLTA 99 162503
	2007LIZX	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. PREPRINT arXiv:0709.0567v1 [nucl-ex]
	2007WO06	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ), excitation energy spectra. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. ^{140}Ce(α, $\alpha\gamma$), E=136 MeV; measured Eγ, Eα. ^{140}Ce deduced E1 strength distribution. JOUR NUPAB 788 27c

A=116 *(continued)*

^{116}Sb	2007SKZZ	NUCLEAR REACTIONS ^{115,116,120}Sn(p, n), E=4.5-9.0 MeV; measured cross sections using activation technique. Compared cross sections, S-factors and reaction rates to Hauser-Feshbach statistical theory predictions. CONF Geneva(NIC-IX) 204
^{116}Te	2007OZ01	NUCLEAR REACTIONS ^{112}Sn(α, γ), (α, p), E(cm)=7.59-11.42 MeV; measured σ; deduced astrophysical S-factors. Activation technique. JOUR PRVCA 75 025801
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=117

^{117}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{117}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{117}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{117}In	2007VIZZ	NUCLEAR REACTIONS ^{118}Sn(γ, p), (γ, d), ^{121}Sb(γ, n), (γ, α), (γ, αn), E(end point)=22 MeV; measured integral cross-sections. Betatron, activation method, NaI(Tl) detector. CONF Voronezh(Nucleus-2007),Contrib,P121,Vishnevsky
^{117}Sn	2006VI11	NUCLEAR REACTIONS ^{114}Cd(n, γ), ^{116}Sn(n, γ), ^{124}Te(n, γ), E=reactor spectrum; measured x-ray spectra. deduced K-shell internal conversion coefficients. JOUR BRSPE 70 1842
	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=117 *(continued)*

^{117}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{117}Te	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=118

^{118}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{118}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{118}Sn	2006HO23	NUCLEAR REACTIONS ^{117}Sn(n, γ), E=thermal; measured Eγ, Iγ, $\gamma\gamma$-coin, two-step cascade intensities. ^{118}Sn deduced levels. JOUR FIZBE 15 189
	2006NIZT	NUCLEAR REACTIONS ^{117,119}Sn(n, γ), E=10-100, 570 keV; measured Eγ, Iγ, capture σ. Comparison with model predictions. REPT JAEA-Conf 2006-009,P101,Nishiyama
	2007GA44	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα, σ(E, θ). ^{112,114,116,118,120,122,124}Sn deduced GMR energy, strength distributions, moment ratios. Comparison with other data and calculations. JOUR NUPAB 788 36c
	2007LI61	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. JOUR PRLTA 99 162503
	2007LIZX	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. PREPRINT arXiv:0709.0567v1 [nucl-ex]
^{118}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=118 *(continued)*

	2007ZE06	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
^{118}Te	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=119

^{119}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{119}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{119}Sn	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
	2007LOZZ	RADIOACTIVITY ^{119}Sn(IT) [from ^{118}Sn(n, γ)]; measured Eγ, Iγ, ce, (ce)γ-coin, T$_{1/2}$. Half-life dependence on ^{119}Sn / ^{119m2}Sn ratio observed; inhibition effect due to Moessbauer backscattering is discussed. REPT PNPI-2732,Loginov
^{119}Te	2007PAZX	NUCLEAR REACTIONS ^{120,130}Te(γ, n), E(end point)=25-30 MeV; measured Eγ, Iγ; ^{119m,119g,129m,129g}Te deduced yield ratio Y$_m$ / Y$_g$. Betatron, activation method, Ge(Li) detector. CONF Voronezh(Nucleus-2007),Contrib,P146,Palvanov
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=120

^{120}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{120}Sn	2006NIZT	NUCLEAR REACTIONS ^{117,119}Sn(n, γ), E=10-100, 570 keV; measured Eγ, Iγ, capture σ. Comparison with model predictions. REPT JAEA-Conf 2006-009,P101,Nishiyama
	2007BA43	RADIOACTIVITY ^{120}Te(β^+EC); measured Eγ, Iγ. Deduced limits for (0ν+2ν) and (0ν) $T_{1/2}$. JOUR JPGPE 34 1721
	2007BAZZ	RADIOACTIVITY ^{120}Te(β^+EC), (2EC); measured $T_{1/2}$ lower limits for decay to ground and excited states. PREPRINT nucl-ex/0703020,3/14/2007
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
	2007GA44	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα, σ(E, θ). ^{112,114,116,118,120,122,124}Sn deduced GMR energy, strength distributions, moment ratios. Comparison with other data and calculations. JOUR NUPAB 788 36c
	2007LI61	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. JOUR PRLTA 99 162503
	2007LIZX	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. PREPRINT arXiv:0709.0567v1 [nucl-ex]
	2007OZ04	NUCLEAR REACTIONS ^{112,120}Sn(γ, γ'), E$\approx$9-11 MeV bremsstrahlung; measured Eγ, Iγ. ^{112}Sn deduced B(E1) strength distribution. Sn analyzed B(E1). JOUR NUPAB 788 385c
	2007ST03	NUCLEAR REACTIONS ^{120}Sn(^{68}Cu, ^{68}Cu'), (^{70}Cu, ^{70}Cu'), E=2.83 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{68,70}Cu deduced transitions B(E2). Isomeric beams, comparison with large-scale shell model calculations. JOUR PRLTA 98 122701
	2007VA20	NUCLEAR REACTIONS ^{108}Pd, ^{120}Sn(^{74}Zn, ^{74}Zn'), (^{76}Zn, ^{76}Zn'), (^{78}Zn, ^{78}Zn'), (^{80}Zn, ^{80}Zn'), E=2.79-2.87 MeV / nucleon; measured Eγ, Iγ. ^{74,76,78,80}Zn deduced B(E2). JOUR PRLTA 99 142501
^{120}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=120 *(continued)*

	2007SKZZ	NUCLEAR REACTIONS ^{115,116,120}Sn(p, n), E=4.5-9.0 MeV; measured cross sections using activation technique. Compared cross sections, S-factors and reaction rates to Hauser-Feshbach statistical theory predictions. CONF Geneva(NIC-IX) 204
	2007VIZY	NUCLEAR REACTIONS ^{121}Sb(γ, n), ^{153}Eu(γ, n), E(end point)=12.5, 22 MeV;^{151}Eu(n, γ), E=thermal, slow; measured Eγ, Iγ; ^{120m,120g}Sb, ^{152m,152g}Eu deduced yield ratio Y_m / Y_g; ^{152m,152g}Eu deduced $\sigma(8^-)$ / $\sigma(0^-)$. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P135,Vishnevsky
	2007VIZZ	NUCLEAR REACTIONS ^{118}Sn(γ, p), (γ, d), ^{121}Sb(γ, n), (γ, α), (γ, αn), E(end point)=22 MeV; measured integral cross-sections. Betatron, activation method, NaI(Tl) detector. CONF Voronezh(Nucleus-2007),Contrib,P121,Vishnevsky
^{120}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007BA43	RADIOACTIVITY ^{120}Te(β^+EC); measured Eγ, Iγ. Deduced limits for (0ν+2ν) and (0ν) $T_{1/2}$. JOUR JPGPE 34 1721
	2007BAZZ	RADIOACTIVITY ^{120}Te(β^+EC), (2EC); measured $T_{1/2}$ lower limits for decay to ground and excited states. PREPRINT nucl-ex/0703020,3/14/2007
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501

A=121

^{121}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{121}Sn	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
^{121}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501

A=121 *(continued)*

	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=122

^{122}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{122}Sn	2007GA44	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα, σ(E, θ). ^{112,114,116,118,120,122,124}Sn deduced GMR energy, strength distributions, moment ratios. Comparison with other data and calculations. JOUR NUPAB 788 36c
	2007LI61	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. JOUR PRLTA 99 162503
	2007LIZX	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. PREPRINT arXiv:0709.0567v1 [nucl-ex]
^{122}Sb	2007MA15	NUCLEAR REACTIONS Sb(^{7}Li, X)^{125}Xe / ^{123}Xe / ^{124}I / ^{123}I / ^{122}Sb, E=32, 35, 38, 42, 45, 48 MeV; measured yields. JOUR RAACA 95 133
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{122}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007ST24	NUCLEAR REACTIONS Te(^{58}Ni, γ)^{122}Te / ^{124}Te / ^{125}Te / ^{126}Te / ^{128}Te / ^{130}Te, E=195 MeV; measured Eγ, Iγ, (particle)γ angular correlations. ^{122,124,125,126,128,130}Te deduced g-factors. JOUR PRVCA 76 034306

A=123

^{123}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{123}Sn	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
^{123}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{123}I	2007BEZT	NUCLEAR REACTIONS ^{127}I(γ, n), (γ, 3n), (γ, 4n), E(end point)=50 MeV; measured Eγ; deduced yields of reactions. Microtron, activation method, HPGe detector. CONF Voronezh(Nucleus-2007),Contrib,P132,Belyshev
	2007MA15	NUCLEAR REACTIONS Sb(^{7}Li, X)^{125}Xe / ^{123}Xe / ^{124}I / ^{123}I / ^{122}Sb, E=32, 35, 38, 42, 45, 48 MeV; measured yields. JOUR RAACA 95 133
^{123}Xe	2007MA15	NUCLEAR REACTIONS Sb(^{7}Li, X)^{125}Xe / ^{123}Xe / ^{124}I / ^{123}I / ^{122}Sb, E=32, 35, 38, 42, 45, 48 MeV; measured yields. JOUR RAACA 95 133

A=124

^{124}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{124}Sn	2007DAZX	RADIOACTIVITY ^{124}Sn($2\beta^-$); ^{112}Sn(β^+EC), (2EC); measured Eγ, Iγ. Deduced lower limits for $T_{1/2}$. PREPRINT arXiv:0709.4342v1 [nucl-ex]
	2007GA44	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα, σ(E, θ). ^{112,114,116,118,120,122,124}Sn deduced GMR energy, strength distributions, moment ratios. Comparison with other data and calculations. JOUR NUPAB 788 36c

A=124 ***(continued)***

	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
	2007LI61	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. JOUR PRLTA 99 162503
	2007LIZX	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured Eα, Iα. Deduced GMR strength distributions. PREPRINT arXiv:0709.0567v1 [nucl-ex]
^{124}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{124}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007DAZX	RADIOACTIVITY ^{124}Sn($2\beta^-$); ^{112}Sn(β^+EC), (2EC); measured Eγ, Iγ. Deduced lower limits for $T_{1/2}$. PREPRINT arXiv:0709.4342v1 [nucl-ex]
	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007QA02	RADIOACTIVITY ^{64}Cu(β^-), (β^+), (EC) [from ^{66}Zn(d, α) and Zn(d, X)]; ^{76}Br, ^{124}I(β^+), (EC) [from ^{76}Se, ^{124}Te(p, n)]; measured Eγ, Eβ, X-ray spectra, $\gamma\gamma$-, $\beta\gamma$-coin; deduced positron emission intensities. JOUR RAACA 95 67
	2007ST24	NUCLEAR REACTIONS Te(^{58}Ni, γ)^{122}Te / ^{124}Te / ^{125}Te / ^{126}Te / ^{128}Te / ^{130}Te, E=195 MeV; measured Eγ, Iγ, (particle)γ angular correlations. ^{122,124,125,126,128,130}Te deduced g-factors. JOUR PRVCA 76 034306

A=124 *(continued)*

^{124}I	2007BEZT	NUCLEAR REACTIONS ^{127}I(γ, n), (γ, 3n), (γ, 4n), E(end point)=50 MeV; measured Eγ; deduced yields of reactions. Microtron, activation method, HPGe detector. CONF Voronezh(Nucleus-2007),Contrib,P132,Belyshev
	2007MA15	NUCLEAR REACTIONS Sb(^{7}Li, X)^{125}Xe / ^{123}Xe / ^{124}I / ^{123}I / ^{122}Sb, E=32, 35, 38, 42, 45, 48 MeV; measured yields. JOUR RAACA 95 133
	2007NY01	NUCLEAR REACTIONS ^{124}Te(p, n), E=11 MeV; measured thick-target yield. JOUR ARISE 65 407
	2007QA02	RADIOACTIVITY ^{64}Cu(β^-), (β^+), (EC) [from ^{66}Zn(d, α) and Zn(d, X)]; ^{76}Br, ^{124}I(β^+), (EC) [from ^{76}Se, ^{124}Te(p, n)]; measured Eγ, Eβ, X-ray spectra, $\gamma\gamma$-, $\beta\gamma$-coin; deduced positron emission intensities. JOUR RAACA 95 67
^{124}Xe	2007AL37	NUCLEAR REACTIONS ^{82}Se(^{48}Ca, X), E=205 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using Gammasphere. ^{124,125,126}Xe deduced levels, J, π. JOUR APOBB 38 1431
	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421
^{124}Cs	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421

A=125

^{125}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{125}Sn	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
^{125}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2006VI11	NUCLEAR REACTIONS ^{114}Cd(n, γ), ^{116}Sn(n, γ), ^{124}Te(n, γ), E=reactor spectrum; measured x-ray spectra. deduced K-shell internal conversion coefficients. JOUR BRSPE 70 1842
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007ST24	NUCLEAR REACTIONS Te(^{58}Ni, γ)^{122}Te / ^{124}Te / ^{125}Te / ^{126}Te / ^{128}Te / ^{130}Te, E=195 MeV; measured Eγ, Iγ, (particle)γ angular correlations. ^{122,124,125,126,128,130}Te deduced g-factors. JOUR PRVCA 76 034306

A=125 ***(continued)***

^{125}Xe	2007AL37	NUCLEAR REACTIONS ^{82}Se(^{48}Ca, X), E=205 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using Gammasphere. ^{124,125,126}Xe deduced levels, J, π. JOUR APOBB 38 1431
	2007MA15	NUCLEAR REACTIONS Sb(^{7}Li, X)^{125}Xe / ^{123}Xe / ^{124}I / ^{123}I / ^{122}Sb, E=32, 35, 38, 42, 45, 48 MeV; measured yields. JOUR RAACA 95 133
^{125}Cs	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421
^{125}Ce	2007SU07	ATOMIC MASSES ^{69}Ge, ^{125}Ce; measured masses. ^{125}Ce deduced long-lived isomeric state, excitation energy, $T_{1/2}$. JOUR ZAANE 31 393

A=126

^{126}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{126}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{126}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007ST24	NUCLEAR REACTIONS Te(^{58}Ni, γ)^{122}Te / ^{124}Te / ^{125}Te / ^{126}Te / ^{128}Te / ^{130}Te, E=195 MeV; measured Eγ, Iγ, (particle)γ angular correlations. ^{122,124,125,126,128,130}Te deduced g-factors. JOUR PRVCA 76 034306
^{126}I	2007BEZT	NUCLEAR REACTIONS ^{127}I(γ, n), (γ, 3n), (γ, 4n), E(end point)=50 MeV; measured Eγ; deduced yields of reactions. Microtron, activation method, HPGe detector. CONF Voronezh(Nucleus-2007),Contrib,P132,Belyshev
^{126}Xe	2007AL37	NUCLEAR REACTIONS ^{82}Se(^{48}Ca, X), E=205 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using Gammasphere. ^{124,125,126}Xe deduced levels, J, π. JOUR APOBB 38 1431
	2007HA34	NUCLEAR REACTIONS ^{82}Se(^{48}Ca, 4n)^{126}Xe, E=190, 200 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using the Gammasphere and the Euroball array. ^{126}Xe deduced levels, J, π. JOUR PRVCA 76 034311

A=126 *(continued)*

^{126}Cs	2007WA09	NUCLEAR REACTIONS ^{116}Cd(^{14}N, 4n), E=65 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{126}Cs deduced high-spin levels, J, π, configurations. JOUR PRVCA 75 037302

A=127

^{127}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324
^{127}Sn	2006ZH47	NUCLEAR REACTIONS ^{126}Sn(n, γ), E=thermal; measured production σ for ground and metastable states. Activation, radiochemical separation. JOUR RAACA 94 385
	2006ZH47	RADIOACTIVITY ^{127,127m}Sn, ^{127}Sb(β^-) [from ^{126}Sn(n, γ) and subsequent decay]; measured Eγ, Iγ. JOUR RAACA 94 385
	2007AT03	NUCLEAR REACTIONS ^{136}Xe(Be, x)^{127}Sn, E=600 MeV / nucleon; measured g-factor for 19 / 2$^+$ isomer using time-differential perturbed angular distribution method. JOUR PPNPD 59 355
	2007NE10	NUCLEAR REACTIONS ^{9}Be(^{238}U, F)^{127}Sn, E=750 MeV / nucleon; ^{9}Be(^{136}Xe, X)^{127}Sn, E=650 MeV / nucleon; measured Eγ, I$\gamma(\theta$, H, t), (particle)γ-coinc. ^{127}Sn deduced g-factor using TDPAD method. JOUR APOBB 38 1237
^{127}Sb	2006ZH47	RADIOACTIVITY ^{127,127m}Sn, ^{127}Sb(β^-) [from ^{126}Sn(n, γ) and subsequent decay]; measured Eγ, Iγ. JOUR RAACA 94 385
^{127}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2006ZH47	RADIOACTIVITY ^{127,127m}Sn, ^{127}Sb(β^-) [from ^{126}Sn(n, γ) and subsequent decay]; measured Eγ, Iγ. JOUR RAACA 94 385
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
^{127}I	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

A=128

^{128}Cd	2007HO22	NUCLEAR REACTIONS Be(^{136}Xe, X), E=120 MeV / nucleon; measured Eγ, Iγ. ^{125}Cd, ^{126}Cd, ^{127}Cd, ^{128}Cd deduced levels, J, π, isomers, half-lives, band structure; ^{100,115,117,119,121,122,123,124}Cd; level systematics. JOUR PRVCA 76 044324

A=128 *(continued)*

^{128}Sb	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{128}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
	2007ST24	NUCLEAR REACTIONS Te(^{58}Ni, γ)^{122}Te / ^{124}Te / ^{125}Te / ^{126}Te / ^{128}Te / ^{130}Te, E=195 MeV; measured Eγ, Iγ, (particle)γ angular correlations. ^{122,124,125,126,128,130}Te deduced g-factors. JOUR PRVCA 76 034306
^{128}Xe	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{128}Ce	2006BA75	NUCLEAR REACTIONS ^{100}Mo(^{32}S, 4n), E=120 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSA. ^{128}Ce levels deduced $T_{1/2}$, B(E2), symmetry features. DSAM and recoil-distance techniques. JOUR IMPEE 15 1735

A=129

^{129}Sn	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{129}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173

A=129 *(continued)*

	2007PAZX	NUCLEAR REACTIONS ^{120,130}Te(γ, n), E(end point)=25-30 MeV; measured Eγ, Iγ; ^{119m,119g,129m,129g}Te deduced yield ratio Y$_m$ / Y$_g$. Betatron, activation method, Ge(Li) detector. CONF Voronezh(Nucleus-2007),Contrib,P146,Palvanov
^{129}Xe	2007KI06	NUCLEAR MOMENTS ^{129}Xe; measured precession, transverse relaxation of polarized gas in weak magnetic fields. JOUR ZDDNE 42 197

A=130

^{130}Cd	2007JU05	RADIOACTIVITY ^{130}Cd(IT) [from Be(^{136}Xe, 6n), E=750 MeV / nucleon]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{130}Cd deduced levels, J, π. JOUR PRLTA 99 132501
^{130}Sn	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{130}Sb	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{130}Te	2006CR04	RADIOACTIVITY ^{130}Te(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limit. JOUR PANUE 69 2083
	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for T$_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te(2β^-); measured summed β energies. Deduced T$_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
	2007ST24	NUCLEAR REACTIONS Te(^{58}Ni, γ)^{122}Te / ^{124}Te / ^{125}Te / ^{126}Te / ^{128}Te / ^{130}Te, E=195 MeV; measured Eγ, Iγ, (particle)γ angular correlations. ^{122,124,125,126,128,130}Te deduced g-factors. JOUR PRVCA 76 034306
^{130}Xe	2006CR04	RADIOACTIVITY ^{130}Te(2β^-); measured 0$\nu\beta\beta$-decay T$_{1/2}$ lower limit. JOUR PANUE 69 2083

A=130 ***(continued)***

	`2007BL15`	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	`2007BLZY`	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]

A=131

^{131}Sn	`2007KL05`	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{131}Te	`2006SI40`	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	`2007NA04`	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{131}I	`2007YA02`	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{131}Xe	`2007YA02`	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

A=132

^{132}Sn	`2007IB01`	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c

A=132 *(continued)*

	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E≈ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{132}Sb	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{132}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007GO03	NUCLEAR REACTIONS ^{235}U(n, F), E=thermal; ^{235}U(γ, F), E=12-30 MeV bremsstrahlung; analyzed fission fragment spin vs mass. ^{239}Pu(n, F)^{132}Te, E=thermal; measured delayed Eγ, fission fragment kinetic energy, (fragment)γ-coin; deduced high-spin isomer yield. JOUR IMPEE 16 410
^{132}I	2006MA87	RADIOACTIVITY ^{132}I(β^-) [from U(n, F)]; measured Eγ, Iγ, T$_{1/2}$. Radiochemical preparation, place-relay method. JOUR RAACA 94 403
	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{132}Xe	2006MA87	RADIOACTIVITY ^{132}I(β^-) [from U(n, F)]; measured Eγ, Iγ, T$_{1/2}$. Radiochemical preparation, place-relay method. JOUR RAACA 94 403
^{132}Ce	2007BR24	NUCLEAR REACTIONS ^{68}Zn(^{64}Ni, X)^{132}Ce, E=300, 400, 500 MeV; ^{116}Sn(^{16}O, X)^{132}Ce, E=130, 250 MeV; measured Eγ, Iγ, Eα, Iα, (residual)γ-coin using Hector and Garfield arrays; deduced average giant dipole resonance width and energy. JOUR NUPAB 788 205c
	2007VE02	NUCLEAR REACTIONS ^{141}Pr(p, X)^{132}Ce / ^{133m}Ce / ^{135}Ce / ^{137m}Ce / ^{139}Ce, E ≈ 21-97 MeV; La(p, X)^{139}Ce, E ≈ 4-11 MeV; measured production σ; deduced thick-target yields. JOUR NIMBE 255 331
	2007WI08	NUCLEAR REACTIONS ^{68}Zn(^{64}Ni, F), E=300, 400, 500 MeV; ^{116}Sn(^{16}O, F), E=130, 250 MeV; measured Eγ, Iγ from GDR decay. ^{132}Ce deduced GDR parameters. JOUR APOBB 38 1447

A=133

^{133}Sn	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler

A=133 ***(continued)***

	2007JO09	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), E=4 MeV / nucleon; ^{2}H(^{84}Se, p), E=4.5 MeV / nucleon; ^{2}H(^{132}Sn, p), E=4.77 MeV / nucleon; measured Ep and angular distributions. ^{83}Ge, ^{85}Se, ^{133}Sn deduced levels, J, π and spectroscopic factors. Compared results to model calculations. JOUR APOBB 38 1205
	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{133}Sb	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{133}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{133}Xe	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{133}Cs	2007KE09	ATOMIC MASSES ^{74,75,76,77,79,80,83,87}Rb; ^{64}Zn;^{71,74}Ga;^{84,88}Sr;^{133}Cs; measured atomic masses. ISOLTRAP Penning Trap. JOUR PRVCA 76 045504
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{133}Ba	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{133}Ce	2007VE02	NUCLEAR REACTIONS ^{141}Pr(p, X)^{132}Ce / ^{133m}Ce / ^{135}Ce / ^{137m}Ce / ^{139}Ce, E $\approx$ 21-97 MeV; La(p, X)^{139}Ce, E $\approx$ 4-11 MeV; measured production σ; deduced thick-target yields. JOUR NIMBE 255 331

A=134

^{134}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
^{134}I	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{134}Cs	2007NI04	RADIOACTIVITY ^{137}Cs(β^-); ^{134m}Cs(IT) [from ^{133}Cs(n, γ)]; measured Eγ, Iγ, X-ray spectra. ^{134}Cs, ^{137}Ba transitions deduced ICC. Comparison with model predictions. JOUR PRVCA 75 024308
^{134}La	2007KU13	NUCLEAR REACTIONS ^{124}Sn(^{14}N, 4n), E=67 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, lifetimes. ^{134}La deduced levels, J, π. JOUR PRVCA 76 014309
^{134}Pr	2007TO21	NUCLEAR REACTIONS ^{119}Sn(^{19}F, 4nγ), E=83, 87 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, lifetimes, multipolarity, linear polarization. ^{134}Pr; deduced levels, J, π, band structure, chiral behavior, TQPTT and IBFFM model calculations, B(E2), B(M1). JOUR PRVCA 76 044313

A=135

^{135}Sn	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler
	2007KO66	RADIOACTIVITY ^{135}Sn(β^-) [from ^{235}U(n, X), E=thermal]; measured Eγ, Iγ, $\beta\gamma$, $\gamma\gamma$-coinc. ^{135}Sb deduced T$_{1/2}$, B(M1), B(E2). JOUR ZAANE 32 25
^{135}Sb	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler
	2007KO66	RADIOACTIVITY ^{135}Sn(β^-) [from ^{235}U(n, X), E=thermal]; measured Eγ, Iγ, $\beta\gamma$, $\gamma\gamma$-coinc. ^{135}Sb deduced T$_{1/2}$, B(M1), B(E2). JOUR ZAANE 32 25
	2007MA40	RADIOACTIVITY ^{136}Sn(β^-); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{135}Sb deduced levels, B(E2). JOUR APOBB 38 1213
^{135}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007FO02	RADIOACTIVITY ^{135,136}Te(β^-); measured Eβ, Eγ, $\beta\gamma$-coinc. Deduced β endpoint energies and mass excess. JOUR PRVCA 75 054308
^{135}I	2007FO02	RADIOACTIVITY ^{135,136}Te(β^-); measured Eβ, Eγ, $\beta\gamma$-coinc. Deduced β endpoint energies and mass excess. JOUR PRVCA 75 054308
^{135}Xe	2007FO03	RADIOACTIVITY ^{135}Xe; measured Eγ, Iγ, $\gamma\gamma$-coinc. Deduced high spin level structure, J, π. JOUR PRVCA 75 054322

A=135 *(continued)*

	2007FO03	NUCLEAR REACTIONS ^{136}Xe(n, 2nγ), E not given; measured excitation functions. JOUR PRVCA 75 054322
	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{135}Ce	2007VE02	NUCLEAR REACTIONS ^{141}Pr(p, X)^{132}Ce / ^{133m}Ce / ^{135}Ce / ^{137m}Ce / ^{139}Ce, E $\approx$ 21-97 MeV; La(p, X)^{139}Ce, E $\approx$ 4-11 MeV; measured production σ; deduced thick-target yields. JOUR NIMBE 255 331
^{135}Nd	2007MU14	NUCLEAR REACTIONS ^{100}Mo(^{40}Ar, 5n), E=175 MeV; measured Eγ, Iγ, lifetimes. ^{135}Nd deduced B(M1), B(E2). JOUR PRLTA 99 172501

A=136

^{136}Sn	2007MA40	RADIOACTIVITY ^{136}Sn(β^-); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{135}Sb deduced levels, B(E2). JOUR APOBB 38 1213
^{136}Sb	2007MA40	RADIOACTIVITY ^{136}Sn(β^-); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{135}Sb deduced levels, B(E2). JOUR APOBB 38 1213
	2007SI27	NUCLEAR REACTIONS ^{241}Pu(n, F), E=thermal; measured Eγ, Iγ, $\gamma\gamma$-coin, X-ray spectra, i(X-ray)γ-coin, conversion electrons. ^{136}Sb; deduced levels, J, π, half-lives, isomer. JOUR PRVCA 76 041303
^{136}Te	2006SI40	NUCLEAR MOMENTS ^{120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136}Te; measured hfs, isotope shifts; deduced μ, quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
	2007FO02	RADIOACTIVITY ^{135,136}Te(β^-); measured Eβ, Eγ, $\beta\gamma$-coinc. Deduced β endpoint energies and mass excess. JOUR PRVCA 75 054308
^{136}I	2007FO02	RADIOACTIVITY ^{135,136}Te(β^-); measured Eβ, Eγ, $\beta\gamma$-coinc. Deduced β endpoint energies and mass excess. JOUR PRVCA 75 054308
	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
^{136}Xe	2006GA44	RADIOACTIVITY ^{136}Xe(2β^-); measured T$_{1/2}$ lower limits for 0$\nu\beta\beta$ and 2$\nu\beta\beta$-decay. JOUR PANUE 69 2129
	2007RE03	ATOMIC MASSES ^{136}Xe; measured mass; deduced Q-value for 2β-decay. JOUR PRLTA 98 053003
^{136}Ba	2006GA44	RADIOACTIVITY ^{136}Xe(2β^-); measured T$_{1/2}$ lower limits for 0$\nu\beta\beta$ and 2$\nu\beta\beta$-decay. JOUR PANUE 69 2129
^{136}Ce	2007AH02	RADIOACTIVITY ^{136}Pr(EC), (β^+) [from ^{134}Ba(^{6}Li, 4n)]; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{136}Ce deduced levels, J, π, δ, B(E2) / B(M1), possible mixed-symmetry state. JOUR PRVCA 75 014313

A=136 ***(continued)***

^{136}Pr	2007AH02	RADIOACTIVITY ^{136}Pr(EC), (β^+) [from ^{134}Ba(^{6}Li, 4n)]; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{136}Ce deduced levels, J, π, δ, B(E2) / B(M1), possible mixed-symmetry state. JOUR PRVCA 75 014313

A=137

^{137}Sb	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{137}Te	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{137}Cs	2007LI21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{137,138}Cs deduced high-spin levels, J, π, configurations. Gammasphere array, comparison with shell model predictions. JOUR PRVCA 75 044314
	2007NI04	RADIOACTIVITY ^{137}Cs(β^-); ^{134m}Cs(IT) [from ^{133}Cs(n, γ)]; measured Eγ, Iγ, X-ray spectra. ^{134}Cs, ^{137}Ba transitions deduced ICC. Comparison with model predictions. JOUR PRVCA 75 024308
	2007SE05	RADIOACTIVITY ^{137}Cs(β^-); measured Eγ, Iγ. Deduced branching ratio and ft value. JOUR BRSPE 71 827
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{137}Ba	2007NI04	RADIOACTIVITY ^{137}Cs(β^-); ^{134m}Cs(IT) [from ^{133}Cs(n, γ)]; measured Eγ, Iγ, X-ray spectra. ^{134}Cs, ^{137}Ba transitions deduced ICC. Comparison with model predictions. JOUR PRVCA 75 024308
	2007SE05	RADIOACTIVITY ^{137}Cs(β^-); measured Eγ, Iγ. Deduced branching ratio and ft value. JOUR BRSPE 71 827
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{137}Ce	2007VE02	NUCLEAR REACTIONS ^{141}Pr(p, X)^{132}Ce / ^{133m}Ce / ^{135}Ce / ^{137m}Ce / ^{139}Ce, E $\approx$ 21-97 MeV; La(p, X)^{139}Ce, E $\approx$ 4-11 MeV; measured production σ; deduced thick-target yields. JOUR NIMBE 255 331
^{137}Pr	2007AG13	NUCLEAR REACTIONS ^{122}Sn(^{19}F, 4n), E=80 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{137}Pr deduced levels, J, π, multipolarity. JOUR PRVCA 76 024321

A=138

^{138}Sb	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{138}Te	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{138}I	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler

A=138 *(continued)*

	2007RZ01	RADIOACTIVITY ^{138}I [from ^{248}Cm(SF)]; measured prompt and delayed Eγ, Iγ. Deduced level energies, J, π. JOUR PRVCA 75 054319
^{138}Cs	2007LI21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{137,138}Cs deduced high-spin levels, J, π, configurations. Gammasphere array, comparison with shell model predictions. JOUR PRVCA 75 044314
	2007NA04	NUCLEAR REACTIONS ^{243}Am(n, F)^{128}Sb / ^{130}Sb / ^{132}Sb / ^{131}Te / ^{133}Te / ^{132}I / ^{134}I / ^{136}I / ^{135}Xe / ^{138}Cs, E=fast; measured isomeric yield ratios; deduced fission fragment angular momenta, single-particle spin effect. Comparison with results from other fissioning systems. JOUR ZAANE 31 195
	2007RZ03	RADIOACTIVITY ^{138}Cs(IT) [from ^{248}Cm(SF)]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{138}Cs deduced levels, J, π. JOUR ZAANE 32 5
^{138}Ba	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{138}La	2007BY02	NUCLEAR REACTIONS ^{138}Ba, ^{180}Hf(^{3}He, t), E=140 MeV / nucleon; measured particle spectra. ^{138}La, ^{180}Ta deduced Gamow-Teller strength distributions. Implications for stellar nucleosynthesis discussed. JOUR PRLTA 98 082501
^{138}Ce	2007PI13	NUCLEAR REACTIONS ^{12}C(^{138}Ce, ^{138}Ce'), E=480 MeV; measured Eγ, Iγ, angular distributions following projectile Coulomb excitation. ^{138}Ce deduced levels, J, π, B(M1), B(E2), matrix elements, δ, mixed-symmetry state. Gammasphere array. JOUR NUPAB 788 85c
^{138}Pr	2007LI12	NUCLEAR REACTIONS ^{128}Te(^{14}N, 4n), E=64 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{138}Pr deduced high-spin levels, J, π, configurations. JOUR PRVCA 75 034304

A=139

^{139}Te	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{139}I	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{139}La	2006SC30	NUCLEAR MOMENTS ^{139}La; measured hfs; deduced magnetic dipole and electric quadrupole hyperfine constants. JOUR PHSTB 73 217
	2007SC18	NUCLEAR REACTIONS ^{139}La, ^{141}Pr(γ, γ'), E=4.1 MeV bremsstrahlung; measured Eγ, Iγ. ^{139}La, ^{141}Pr deduced level energies, widths, B(E1), B(M1), dipole strength distributions, blocking effect. JOUR PRVCA 75 044313
^{139}Ce	2007VE02	NUCLEAR REACTIONS ^{141}Pr(p, X)^{132}Ce / ^{133m}Ce / ^{135}Ce / ^{137m}Ce / ^{139}Ce, E $\approx$ 21-97 MeV; La(p, X)^{139}Ce, E $\approx$ 4-11 MeV; measured production σ; deduced thick-target yields. JOUR NIMBE 255 331

A=139 *(continued)*

^{139}Nd	2007KU12	NUCLEAR REACTIONS ^{128}Te(^{16}O, 5n), E=85 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, polarization assymetry. ^{139}Nd deduced levels, J, π. JOUR PRVCA 76 014306
^{139}Sm	2007LIZY	NUCLEAR REACTIONS ^{114}Sn(^{32}S, n2pα), (^{32}S, n2p), E=160 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSAM. ^{139}Sm, ^{142}Gd deduced high-spin levels, J, π, τ. EUROBALL IV array. CONF Voronezh(Nucleus-2007),Contrib,P94,Lieder

A=140

^{140}Te	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{140}I	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured T$_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{140}La	2007MAZW	NUCLEAR REACTIONS ^{139}La(n, γ), ^{151}Sm(n, γ), E< 1 MeV; measured yields, cross sections. CONF Geneva(NIC-IX) 138
	2007TAZW	NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan
	2007TE03	NUCLEAR REACTIONS ^{139}La(n, γ), E=0.6-9000 eV; measured capture σ; deduced resonance parameters, level densities, Maxwellian averaged σ. Astrophysical implications discussed. JOUR PRVCA 75 035807
^{140}Ce	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
	2007SA25	RADIOACTIVITY ^{140}Ce(β^-); measured Eγ, Iγ, angular anisotropy for source implanted in highly oriented pyrolytic graphite. Time-differential perturbed angular correlation. JOUR JRNCD 272 665
	2007SA48	NUCLEAR REACTIONS ^{140}Ce(α, α'), E=136 MeV; measured Eα, Eγ, $\alpha\gamma$-coin, $\sigma(\theta)$. ^{140}Ce deduced electric dipole strength distribution, pygmy resonance features. JOUR NUPAB 788 165c
	2007WO06	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ), excitation energy spectra. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. ^{140}Ce(α, $\alpha\gamma$), E=136 MeV; measured Eγ, Eα. ^{140}Ce deduced E1 strength distribution. JOUR NUPAB 788 27c
^{140}Pr	2007SA25	RADIOACTIVITY ^{140}Ce(β^-); measured Eγ, Iγ, angular anisotropy for source implanted in highly oriented pyrolytic graphite. Time-differential perturbed angular correlation. JOUR JRNCD 272 665

A=140 *(continued)*

^{140}Nd	2007QA03	NUCLEAR REACTIONS Sr(p, nx)^{88}Y, E=9-14 MeV; Rb(α, nx)^{88}Y, E=12-18 MeV;^{141}Pr(p, 2n), E=15-30 MeV; Ce(^{3}He, nx)^{140}Nd, E=20-35 MeV; ^{153}Eu(n, p), E=14 MeV;^{150}Nd(α, n), E=15-25 MeV; measured yields, excitation function and cross section. JOUR RAACA 95 313
	2007ZH23	NUCLEAR REACTIONS Ce(^{3}He, nx), E< 33.5 MeV; ^{141}Pr(p, 2n), E=16.2-18.6 MeV; measured yields. JOUR RAACA 95 319
^{140}Gd	2006OL09	NUCLEAR REACTIONS ^{92}Mo(^{54}Fe, 2pα), E=240 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{140}GD deduced high-spin levels J, π. JOUR BJPHE 36 1371

A=141

^{141}Pr	2007SC18	NUCLEAR REACTIONS ^{139}La, ^{141}Pr(γ, γ'), E=4.1 MeV bremsstrahlung; measured Eγ, Iγ. ^{139}La, ^{141}Pr deduced level energies, widths, B(E1), B(M1), dipole strength distributions, blocking effect. JOUR PRVCA 75 044313

A=142

^{142}I	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{142}Xe	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{142}Pr	2007ZH42	NUCLEAR REACTIONS ^{141}Pr(n, γ), E=0.54, 1.09, 1.59 MeV; measured Eγ, Iγ, cross sections using the activation method. Compared results to model calculations. JOUR ARISE 65 1314
^{142}Nd	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{142}Gd	2007LIZY	NUCLEAR REACTIONS ^{114}Sn(^{32}S, n2pα), (^{32}S, n2p), E=160 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSAM. ^{139}Sm, ^{142}Gd deduced high-spin levels, J, π, τ. EUROBALL IV array. CONF Voronezh(Nucleus-2007),Contrib,P94,Lieder

A=143

^{143}I	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler
^{143}Xe	2006KEZZ	RADIOACTIVITY ^{133,135}Sn, ^{137,138}Sb, ^{138,139,140}Te, ^{142,143}I(β^-) [from Pb(^{238}U, X)]; measured $T_{1/2}$. REPT GSI 2006-1,P154,Kessler

A=143 *(continued)*

^{143}La	2007WA20	RADIOACTIVITY ^{143}La[from ^{252}Cf(SF)]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{143}La deduced levels, J, π for high spin levels. JOUR PRVCA 75 064301
^{143}Sm	2006ARZX	NUCLEAR REACTIONS ^{27}Al(n, α), E=14 MeV; ^{144}Sm, ^{206,208}Pb(n, 2n), E=14 MeV; measured isomer production σ. REPT JAEA-Conf 2006-009,P89,Arakita
	2007PAZY	NUCLEAR REACTIONS ^{144}Sm(γ, n), E(end point)=20-30 MeV; measured Eγ, Iγ; ^{143m,143g}Sm deduced yield ratio Y_m / Y_g. Betatron, activation method, Ge(Li) detector. CONF Voronezh(Nucleus-2007),Contrib,P145,Palvanov
^{143}Gd	2007LIZY	NUCLEAR REACTIONS ^{114}Sn(^{32}S, n2pα), (^{32}S, n2p), E=160 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSAM. ^{139}Sm, ^{142}Gd deduced high-spin levels, J, π, τ. EUROBALL IV array. CONF Voronezh(Nucleus-2007),Contrib,P94,Lieder
^{143}Tb	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{143}Dy	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007

A=144

^{144}Nd	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
^{144}Sm	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
^{144}Dy	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{144}Ho	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007

A=145

^{145}Dy	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{145}Ho	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{145}Tm	2007SE06	NUCLEAR REACTIONS ^{58}Ni(^{92}Mo, 4np), E=417 MeV; measured Eγ, Iγ, Ep, pγ-coinc. ^{145}Tm deduced levels, J, π. JOUR PRLTA 99 082502

A=146

^{146}Sm	2007HA49	NUCLEAR REACTIONS ^{147}Sm(γ, n), E $<$ 50 MeV; ^{147}Sm(n, 2n), E=6-10 MeV; ^{147}Sm(p, 2n), E=21 MeV; measured Eα, Iα. JOUR JNRSA 8 109
^{146}Eu	2007HA49	NUCLEAR REACTIONS ^{147}Sm(γ, n), E $<$ 50 MeV; ^{147}Sm(n, 2n), E=6-10 MeV; ^{147}Sm(p, 2n), E=21 MeV; measured Eα, Iα. JOUR JNRSA 8 109
^{146}Dy	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{146}Ho	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{146}Er	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007

A=147

^{147}Pm	2007BE48	RADIOACTIVITY ^{151}Eu(α); measured Eα, Iα. Deduced lower lime for $T_{1/2}$. JOUR NUPAB 789 15
^{147}Sm	2007KO54	NUCLEAR REACTIONS ^{147}Sm(n, γ), E=spectrum; measured Eγ, Iγ, multiplicities. ^{147}Sm deduced resonance energies and spins. JOUR PRVCA 76 025804
^{147}Tb	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{147}Dy	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007

A=147 *(continued)*

^{147}Ho	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{147}Er	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{147}Tm	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007

A=148

^{148}Ce	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
^{148}Sm	2007KO54	NUCLEAR REACTIONS ^{147}Sm(n, γ), E=spectrum; measured Eγ, Iγ, multiplicities. ^{147}Sm deduced resonance energies and spins. JOUR PRVCA 76 025804
	2007KOZY	NUCLEAR REACTIONS ^{147}Sm(n, γ), E=spectrum; measured Eγ, yields. Deduced resonance parameters. PREPRINT ArXiv:0708.0218v1 [nucl-ex]
^{148}Dy	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{148}Ho	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{148}Er	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007
^{148}Tm	2007RAZZ	ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm; measured masses. Penning-trap mass spectrometer. PREPRINT nucl-ex/0701030,01/22/2007

A=149

^{149}La	2007UR03	RADIOACTIVITY ^{149}La [from ^{248}Cm(SF)]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{149}La deduced levels, J, π. JOUR PRVCA 76 037301

A=150

^{150}Nd	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR BRSPE 70 731
^{150}Sm	2006SH31	RADIOACTIVITY ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limit. ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. JOUR PANUE 69 2090
	2006SH32	RADIOACTIVITY ^{82}Se, ^{96}Zr, ^{100}Mo, ^{116}Cd, ^{150}Nd($2\beta^-$); measured $2\nu\beta\beta$-decay $T_{1/2}$. ^{82}Se, ^{100}Mo($2\beta^-$); measured $0\nu\beta\beta$-decay $T_{1/2}$ lower limits. JOUR BRSPE 70 731

A=151

^{151}Sm	2007DA23	NUCLEAR REACTIONS ^{150}Sm(n, γ), E=1-35 MeV; measured Eγ, Iγ, excitation functions and partial γ-ray production cross sections. Compared results to model calculations. JOUR NIMBE 261 948
	2007HA24	NUCLEAR REACTIONS ^{152}Sm, ^{197}Au(γ, n), E=8.3-12.4 MeV; measured cross sections. JOUR JNSTA 44 938
^{151}Eu	2007BE48	RADIOACTIVITY ^{151}Eu(α); measured Eα, Iα. Deduced lower lime for $T_{1/2}$. JOUR NUPAB 789 15
^{151}Tb	2007BE20	NUCLEAR REACTIONS ^{130}Te(^{27}Al, 6n), E=155 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{151}Tb deduced unresolved superdeformed bands, decay-out features. Euroball IV array, comparison with band mixing model predictions. JOUR PRVCA 75 047301

A=152

^{152}Sm	2007KU20	RADIOACTIVITY ^{152}Eu(β^+), (EC); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{152}Sm deduced levels, J, Π. JOUR PRVCA 76 034319
	2007LI43	NUCLEAR REACTIONS ^{152}Sm(^{16}O, ^{16}O), (^{16}O, ^{16}O'), (^{16}O, X), E(cm)=45-70 MeV; measured σ(θ=156, θ=160, θ=164), evaporation residue σ for boron, carbon, nitrogen and oxygen isotopes; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), (^{6}Li, ^{6}Li'), (^{6}Li, X), (^{7}Li, ^{7}Li), (^{7}Li, ^{7}Li'), (^{7}Li, X), E(cm)=18-42 MeV; ^{90,96}Zr(^{32}S, X), E(cm)=60-95 MeV; measured σ; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), E(cm)=26-40 MeV; measured fusion σ; deduced reaction mechanism features. Comparison with coupled-channels model. JOUR NUPAB 787 281c
	2007MAZW	NUCLEAR REACTIONS ^{139}La(n, γ), ^{151}Sm(n, γ), E$<$ 1 MeV; measured yields, cross sections. CONF Geneva(NIC-IX) 138
^{152}Eu	2007AG09	NUCLEAR REACTIONS ^{151,153}Eu(n, γ), E=0.1-100 keV; measured Eγ, Iγ, and multiplicity distributions. JOUR NIMBE 261 934
	2007KU20	RADIOACTIVITY ^{152}Eu(β^+), (EC); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{152}Sm deduced levels, J, Π. JOUR PRVCA 76 034319

A=152 *(continued)*

	2007VIZY	NUCLEAR REACTIONS ^{121}Sb(γ, n), ^{153}Eu(γ, n), E(end point)=12.5, 22 MeV;^{151}Eu(n, γ), E=thermal, slow; measured Eγ, Iγ; ^{120m,120g}Sb, ^{152m,152g}Eu deduced yield ratio Y_m / Y_g; ^{152m,152g}Eu deduced $\sigma(8^-)$ / $\sigma(0^-)$. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P135,Vishnevsky
^{152}Gd	2007CA25	NUCLEAR REACTIONS ^{124}Sn(^{36}S, 4nα)^{152}Gd, e=175 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using the Gammasphere. ^{152}Gd deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 75 064314
^{152}Dy	2007LA20	NUCLEAR REACTIONS ^{108}Pd(^{48}Ca, 4n)^{152}Dy, E=191 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. Analyzed quasicontinuum and ridge spectra and feeding intensity of the superdeformed bands. JOUR PRVCA 75 064309

A=153

^{153}Sm	2007KA16	NUCLEAR REACTIONS ^{152}Sm(n, γ), E=thermal; measured capture σ; deduced resonance integral. Comparison with previous results. JOUR ANEND 34 188
	2007QA03	NUCLEAR REACTIONS Sr(p, nx)^{88}Y, E=9-14 MeV; Rb(α, nx)^{88}Y, E=12-18 MeV;^{141}Pr(p, 2n), E=15-30 MeV; Ce(^{3}He, nx)^{140}Nd, E=20-35 MeV; ^{153}Eu(n, p), E=14 MeV;^{150}Nd(α, n), E=15-25 MeV; measured yields, excitation function and cross section. JOUR RAACA 95 313
	2007TAZW	NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan

A=154

^{154}Eu	2007AG09	NUCLEAR REACTIONS ^{151,153}Eu(n, γ), E=0.1-100 keV; measured Eγ, Iγ, and multiplicity distributions. JOUR NIMBE 261 934
^{154}Hf	2007PA27	RADIOACTIVITY ^{159}Re(α) [from ^{106}Cd(^{58}Ni, X)]; ^{155}Ta(p); measured Eα, Iα, Ep, Ip. deduced separation energies. JOUR PRVCA 75 061302

A=155

^{155}Tm	2007RA21	NUCLEAR REACTIONS ^{144}Sm(^{14}N, 3n), E=70 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{155}Tm deduced levels, J, π. JOUR NUPAB 794 1
^{155}Ta	2007PA27	RADIOACTIVITY ^{159}Re(α) [from ^{106}Cd(^{58}Ni, X)]; ^{155}Ta(p); measured Eα, Iα, Ep, Ip. deduced separation energies. JOUR PRVCA 75 061302

A=156

^{156}Nd	2007SH05	RADIOACTIVITY ^{156}Nd, ^{156}Pm(β^-) [from ^{235}U(n, F) and subsequent decay]; ^{156m}Pm(β^-), (IT) [from ^{156}Nd decay]; measured Eγ, Iγ, E(ce), I(ce), T$_{1/2}$. ^{156}Pm, ^{156}Sm deduced levels, J, π, ICC, configurations. Mass separator. JOUR ZAANE 31 171
^{156}Pm	2007SH05	RADIOACTIVITY ^{156}Nd, ^{156}Pm(β^-) [from ^{235}U(n, F) and subsequent decay]; ^{156m}Pm(β^-), (IT) [from ^{156}Nd decay]; measured Eγ, Iγ, E(ce), I(ce), T$_{1/2}$. ^{156}Pm, ^{156}Sm deduced levels, J, π, ICC, configurations. Mass separator. JOUR ZAANE 31 171
^{156}Sm	2007SH05	RADIOACTIVITY ^{156}Nd, ^{156}Pm(β^-) [from ^{235}U(n, F) and subsequent decay]; ^{156m}Pm(β^-), (IT) [from ^{156}Nd decay]; measured Eγ, Iγ, E(ce), I(ce), T$_{1/2}$. ^{156}Pm, ^{156}Sm deduced levels, J, π, ICC, configurations. Mass separator. JOUR ZAANE 31 171
^{156}Gd	2007CH09	NUCLEAR REACTIONS ^{155,157}Gd(n, γ), E=10-550 keV; measured Eγ, capture σ. Comparison with previous results. JOUR KPSJA 50 409

A=157

^{157}Gd	2007CH37	NUCLEAR REACTIONS ^{156,158}Gd(n, γ), E=10-90 keV; measured capture cross sections relative to standard capture cross sections for ^{197}Au. JOUR KPSJA 50 1592
^{157}Er	2007PA03	NUCLEAR REACTIONS ^{114}Cd(^{48}Ca, 4n), (^{48}Ca, 5n), E=215 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{157,158}Er deduced high-spin levels, J, π, configurations, collective rotation above band-terminating states. Gammasphere array, cranked Nilsson-Strutinsky calculations. JOUR PRLTA 98 012501
^{157}Ta	2007ST16	NUCLEAR REACTIONS ^{93}Nb(^{65}Ge, n), E not given; measured Eγ, Iγ and transition rates using recoil distance method. ^{64}Ge deduced B(E2) and lifetimes. JOUR PRLTA 99 042503

A=158

^{158}Gd	2007CH09	NUCLEAR REACTIONS ^{155,157}Gd(n, γ), E=10-550 keV; measured Eγ, capture σ. Comparison with previous results. JOUR KPSJA 50 409
	2007LE29	NUCLEAR REACTIONS ^{158}Gd(n, n'γ), E $<$ 3.3 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, excitation functions and angular distributions. ^{158}Gd deduced level energies, lifetimes, B(E1), B(E2) for 0$^+$ states. JOUR PRVCA 76 034318
^{158}Er	2007PA03	NUCLEAR REACTIONS ^{114}Cd(^{48}Ca, 4n), (^{48}Ca, 5n), E=215 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{157,158}Er deduced high-spin levels, J, π, configurations, collective rotation above band-terminating states. Gammasphere array, cranked Nilsson-Strutinsky calculations. JOUR PRLTA 98 012501

A=159

^{159}Gd	2007CH37	NUCLEAR REACTIONS ^{156,158}Gd(n, γ), E=10-90 keV; measured capture cross sections relative to standard capture cross sections for ^{197}Au. JOUR KPSJA 50 1592
^{159}Ho	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov
^{159}Er	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov
^{159}Re	2007PA27	RADIOACTIVITY ^{159}Re(α) [from ^{106}Cd(^{58}Ni, X)]; ^{155}Ta(p); measured Eα, Iα, Ep, Ip. deduced separation energies. JOUR PRVCA 75 061302

A=160

^{160}Tb	2007BU29	NUCLEAR REACTIONS ^{161,163}Dy(^{3}H, α), E=17 MeV; measured Eα, Iα, $\sigma(\theta)$, Q-value. ^{160,162}Tb deduced levels, J, π, atomic masses. Enriched targets, magnetic spectrograph, DWBA analysis. JOUR NUPAB 794 149
^{160}Dy	2006BO37	RADIOACTIVITY ^{160}Ho(EC) [from ^{160}Er(EC)]; measured E(ce), I(ce). ^{160}Dy deduced E0 transitions. Magnetic spectrograph, photoplate. JOUR BRSPE 70 354
	2007ADZY	RADIOACTIVITY ^{160}Ho(EC); measured E(ce); ^{160}Dy deduced levels, J π, Jπ=0^{+} level. CONF Voronezh(Nucleus-2007),Contrib,P106,Adam
^{160}Ho	2006BO37	RADIOACTIVITY ^{160}Ho(EC) [from ^{160}Er(EC)]; measured E(ce), I(ce). ^{160}Dy deduced E0 transitions. Magnetic spectrograph, photoplate. JOUR BRSPE 70 354
	2007ADZY	RADIOACTIVITY ^{160}Ho(EC); measured E(ce); ^{160}Dy deduced levels, J π, Jπ=0^{+} level. CONF Voronezh(Nucleus-2007),Contrib,P106,Adam
^{160}Er	2007GA26	RADIOACTIVITY ^{160}Er(IT); measured Eγ, Iγ, eγ-coinc. Deduced levels, J, π. JOUR APOBB 38 1169

A=161

^{161}Ho	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov
^{161}Er	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov

A=162

^{162}Tb	2007BU29	NUCLEAR REACTIONS ^{161,163}Dy(^{3}H, α), E=17 MeV; measured Eα, Iα, $\sigma(\theta)$, Q-value. ^{160,162}Tb deduced levels, J, π, atomic masses. Enriched targets, magnetic spectrograph, DWBA analysis. JOUR NUPAB 794 149

A=163

^{163}Tm	2007PA22	NUCLEAR REACTIONS ^{130}Te(^{37}Cl, 4n), E=170 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{163}Tm deduced high-spin levels, J, π, triaxial superdeformed bands, B(M1) / B(E2). Gammasphere array, potential energy surface calculations. JOUR PYLBB 647 243
	2007TA11	NUCLEAR REACTIONS Er(d, x)^{163}Tm / ^{165}Tm / ^{166}Tm / ^{167}Tm / ^{168}Tm / ^{170}Tm / ^{171}Er, E< 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829
	2007WA21	NUCLEAR REACTIONS ^{130}Te(^{37}Cl, 4n)^{163}Tm, E=165 MeV; measured E, Iγ, $\gamma\gamma$-coinc, mean lifetimes using DSAM and the Gammasphere array. ^{163}Tm deduced quadrupole transition moments for proposed triaxial strongly deformed bands. JOUR PRVCA 75 064315
	2007WAZZ	NUCLEAR REACTIONS ^{130}Te(^{37}Cl, 4n), E=165 MeV; measured Eγ, Iγ using Gammasphere. Deduced quadrupole transition moments for two triaxial strongly deformed bands using doppler shift attenuation method. PREPRINT arXiv:0705.1987v1 [nucl-ex]

A=164

^{164}Lu	2007BR09	NUCLEAR REACTIONS ^{121}Sb(^{48}Ca, 5n), E=215 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{164}Lu deduced high-spin levels, J, π, triaxial superdeformed bands, octupole vibration. Gammasphere array. JOUR PRVCA 75 044306

A=165

^{165}Tm	2007TA11	NUCLEAR REACTIONS Er(d, x)^{163}Tm / ^{165}Tm / ^{166}Tm / ^{167}Tm / ^{168}Tm / ^{170}Tm / ^{171}Er, E< 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829

A=166

^{166}Ho	2007RO10	NUCLEAR REACTIONS ^{165}Ho(n, γ), E=10-90 keV; measured capture cross sections relative to standard capture cross sections for ^{197}Au. JOUR KPSJA 50 1494
^{166}Tm	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E≈90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E≈87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29
	2007TA11	NUCLEAR REACTIONS Er(d, x)^{163}Tm / ^{165}Tm / ^{166}Tm / ^{167}Tm / ^{168}Tm / ^{170}Tm / ^{171}Er, E< 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829

A=166 *(continued)*

^{166}Re	2007HA45	RADIOACTIVITY ^{170}Ir(α); measured E(α). ^{166}Re; deduced levels. JOUR PRVCA 76 044312

A=167

^{167}Tm	2007TA09	NUCLEAR REACTIONS ^{169}Tm(d, 2n), E $\approx$ 4-20.5 MeV; measured excitation functions; deduced integral yield. ^{169}Tm(d, 2np), (d, 3np), E $\approx$ 4-20.5 MeV; measured excitation functions. Stacked foil activation, comparison with model predictions. JOUR ARISE 65 663
	2007TA11	NUCLEAR REACTIONS Er(d, x)^{163}Tm / ^{165}Tm / ^{166}Tm / ^{167}Tm / ^{168}Tm / ^{170}Tm / ^{171}Er, E< 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829
^{167}Yb	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E$\approx$90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E$\approx$87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29
^{167}Lu	2007BE33	NUCLEAR REACTIONS ^{123}Sb(^{48}Ca, X)^{167}Lu, E=203 MeV; measured Eγ, Iγ, conversion electron energies, $\gamma\gamma$-coinc, (conversion-electron)γ-coinc. ^{167}Lu deduced conversion coefficients. JOUR APOBB 38 1535
	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E$\approx$90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E$\approx$87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29

A=168

^{168}Er	2007BU25	NUCLEAR REACTIONS ^{170}Er(p, t), E=25 MeV; measured reaction product energies energies and angular distributions. ^{168}Er deduced 0^+ and 2^+ level energies and reaction transfer strength distributions. JOUR PANUE 70 1336
^{168}Tm	2007CAZW	NUCLEAR REACTIONS ^{164}Dy(^{11}B, 3nα), E=65 MeV; measured Eγ, Iγ. ^{168}Tm deduced high spin levels, J, π. GASP array. CONF Iguazu(Nuclear Physics and Applications) Proc,P446,Cardona
	2007TA09	NUCLEAR REACTIONS ^{169}Tm(d, 2n), E $\approx$ 4-20.5 MeV; measured excitation functions; deduced integral yield. ^{169}Tm(d, 2np), (d, 3np), E $\approx$ 4-20.5 MeV; measured excitation functions. Stacked foil activation, comparison with model predictions. JOUR ARISE 65 663
	2007TA11	NUCLEAR REACTIONS Er(d, x)^{163}Tm / ^{165}Tm / ^{166}Tm / ^{167}Tm / ^{168}Tm / ^{170}Tm / ^{171}Er, E< 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829

A=168 *(continued)*

^{168}Lu	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E≈90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E≈87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29

A=169

^{169}Yb	2007TA09	NUCLEAR REACTIONS ^{169}Tm(d, 2n), E ≈ 4-20.5 MeV; measured excitation functions; deduced integral yield. ^{169}Tm(d, 2np), (d, 3np), E ≈ 4-20.5 MeV; measured excitation functions. Stacked foil activation, comparison with model predictions. JOUR ARISE 65 663
^{169}Ir	2007SA33	NUCLEAR REACTIONS ^{112}Sn(^{60}Ni, 2np), E=266 MeV; measured Eγ, Iγ, γγ-, (particle)γ-coinc. Deduced level energies, J, π. JOUR PRVCA 75 054321

A=170

^{170}Er	2007IO01	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n)^{192}Pb, ^{170}Er(^{29}Si, 5n)^{170}Er, E not given; measured Eγ, Iγ(θ, E, t). ^{192,194}Pb deduced quadrupole moments of isomeric states using the TDPAD method. JOUR APOBB 38 1249
^{170}Tm	2007TA11	NUCLEAR REACTIONS Er(d, x)^{163}Tm / ^{165}Tm / ^{166}Tm / ^{167}Tm / ^{168}Tm / ^{170}Tm / ^{171}Er, E< 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829
^{170}Hf	2006CO20	NUCLEAR REACTIONS ^{158}Gd(^{16}O, 4n), E=80 MeV; measured prompt and delayed Eγ, Iγ. ^{170}Hf levels deduced $T_{1/2}$, B(E2). Pulsed beam, level systematics in neighboring nuclides discussed. JOUR PRVCA 74 067301
	2007WO08	RADIOACTIVITY ^{170}Ta(β^+), (EC) [from ^{159}Tb(^{16}O, 5n), E=100 MeV]; measured Eγ, Iγ, γγ(θ) in static magnetic field. ^{170}Hf; deduced levels, J, π, g-factor of first 2+ state. JOUR PRVCA 76 047308
^{170}Ta	2007WO08	RADIOACTIVITY ^{170}Ta(β^+), (EC) [from ^{159}Tb(^{16}O, 5n), E=100 MeV]; measured Eγ, Iγ, γγ(θ) in static magnetic field. ^{170}Hf; deduced levels, J, π, g-factor of first 2+ state. JOUR PRVCA 76 047308
^{170}Ir	2007HA45	NUCLEAR REACTIONS ^{112}Sn(^{60}Ni, np), E=266 MeV; measured Eγ, Iγ, recoil decay tagging, γγ-, (recoil)γ-coin; ^{170}Ir deduced levels, J, π, bands, half-lives. JUROGAM array used with RITU, GREAT spectrometer. JOUR PRVCA 76 044312
	2007HA45	RADIOACTIVITY ^{170}Ir(α); measured E(α). ^{166}Re; deduced levels. JOUR PRVCA 76 044312

A=171

^{171}Er	2007TA11	NUCLEAR REACTIONS Er(d, x)^{163}Tm / ^{165}Tm / ^{166}Tm / ^{167}Tm / ^{168}Tm / ^{170}Tm / ^{171}Er, E< 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829
	2007YU02	NUCLEAR REACTIONS ^{170}Er(n, γ), E=thermal; measured Eγ, Iγ. Deduced cross section and resonance integral. JOUR PRVCA 76 034610
^{171}Tm	2007TS10	RADIOACTIVITY ^{171}Tm(β^-); measured Eγ, Iγ, multipolarity, linear polarization of Mossbauer γ-ray, test of time-reversal symmetry. JOUR PRVCA 76 045503
^{171}Yb	2007TS10	RADIOACTIVITY ^{171}Tm(β^-); measured Eγ, Iγ, multipolarity, linear polarization of Mossbauer γ-ray, test of time-reversal symmetry. JOUR PRVCA 76 045503

A=172

No references found

A=173

^{173}Lu	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{173}Hf	2007VL01	NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E $\approx$ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219

A=174

^{174}Yb	2007KA27	RADIOACTIVITY ^{178}Hf(α); measured partial half lives and hindrance factors. JOUR PRVCA 75 057301
^{174}Re	2007ZH21	NUCLEAR REACTIONS ^{152}Sm(^{27}Al, 5n), E=140 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{174}Re deduced high-spin levels, J, π, identified new rotational band. JOUR CPLEE 24 1203

A=175

^{175}Hf	2007VL01	NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E $\approx$ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219
	2007VO02	NUCLEAR REACTIONS ^{174,180,182}Hf(n, γ), E=spectrum; measured capture σ; deduced Maxwellian averaged σ, stellar enhancement factors. Comparison with model predictions. JOUR PRVCA 75 015804

A=176

^{176}Yb	2007BI14	NUCLEAR MOMENTS ^{97m}Y, ^{176,176m}Yb, ^{178,178m}Hf; measured isomer shifts, μ, quadrupole moments, radii; deduced hyperfine structure coefficients. Laser spectroscopy. JOUR PYLBB 645 330
^{176}Lu	2007WA08	NUCLEAR REACTIONS ^{176}Lu(γ, γ'), E=2.3, 3.1 MeV bremsstrahlung; measured Eγ, Iγ. ^{176}Lu deduced transitions, B(M1), B(E1), strength distribution. JOUR PRVCA 75 034301

A=177

^{177}Lu	2007WIZZ	NUCLEAR REACTIONS ^{176m}Lu(n, γ), E=spectrum; measured cross section using activation technique. CONF Geneva(NIC-IX) 186
^{177}Hf	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E≈90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E≈87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29
^{177}Ta	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
^{177}W	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E≈90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E≈87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29
^{177}Re	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E≈90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E≈87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29

A=178

^{178}Lu	2007GO38	NUCLEAR REACTIONS ^{181}Ta(γ, n2p), E $<$ 1.2 GeV; measured Eγ, Iγ, from isomer decay, production cross section. JOUR UKPJA 52 823
^{178}Hf	2007BI14	NUCLEAR MOMENTS ^{97m}Y, ^{176,176m}Yb, ^{178,178m}Hf; measured isomer shifts, μ, quadrupole moments, radii; deduced hyperfine structure coefficients. Laser spectroscopy. JOUR PYLBB 645 330
	2007EG02	NUCLEAR REACTIONS ^{91}Zr, ^{116,118,119,120,122,124}Sn, ^{143}Nd, ^{177}Hf(n, γ);E=thermal; measured Eγ, Iγ, cross sections. JOUR ARISE 65 1290
	2007HA05	NUCLEAR REACTIONS ^{178}Hf(^{136}Xe, ^{136}Xe'), E=650 MeV; measured prompt and delayed Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin following Coulomb excitation. Ta(^{178}Hf, ^{178}Hf'), E $\approx$ 700-850 MeV; measured isomer production σ. ^{178}Hf deduced levels, J, π, rotational bands, transition matrix elements, K-mixing features. Gammasphere, Chico arrays. JOUR PRVCA 75 034308

A=178 *(continued)*

	2007KA27	RADIOACTIVITY ^{178}Hf(α); measured partial half lives and hindrance factors. JOUR PRVCA 75 057301
	2007KO43	NUCLEAR REACTIONS ^{160}Gd(^{18}O, X)^{178}Hf, E=79-156 MeV; measured Eα, Eγ, particle γ-coinc. Deduced total cross sections for xn channels. Compared results to model calculations. JOUR PRVCA 75 064611
	2007LA14	RADIOACTIVITY ^{178}Ta(EC) [from ^{179}Hf(p, 2n)]; measured Eγ, Iγ and internal conversion electron spectra. ^{178}Hf deduced energy of the 8^-_2 level. JOUR BRSPE 71 441
	2007LA33	RADIOACTIVITY ^{178}Ta(EC) [from ^{175}Lu(α, n), E=18 MeV]; measured β-delayed Eγ, Iγ, second forbidden ft values. JOUR UKPJA 52 826
	2007LAZW	RADIOACTIVITY ^{178}Ta(EC)[from ^{175}Lu(α, n), E=18 MeV]; measured Eγ, Iγ; ^{178}Hf deduced levels, calculated log ft. CONF Voronezh(Nucleus-2007),Contrib,P109,Lashko
^{178}Ta	2007LA14	RADIOACTIVITY ^{178}Ta(EC) [from ^{179}Hf(p, 2n)]; measured Eγ, Iγ and internal conversion electron spectra. ^{178}Hf deduced energy of the 8^-_2 level. JOUR BRSPE 71 441
	2007LA33	RADIOACTIVITY ^{178}Ta(EC) [from ^{175}Lu(α, n), E=18 MeV]; measured β-delayed Eγ, Iγ, second forbidden ft values. JOUR UKPJA 52 826
	2007LAZW	RADIOACTIVITY ^{178}Ta(EC)[from ^{175}Lu(α, n), E=18 MeV]; measured Eγ, Iγ; ^{178}Hf deduced levels, calculated log ft. CONF Voronezh(Nucleus-2007),Contrib,P109,Lashko
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E≈90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E≈87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29

A=179

^{179}Re	2007SI30	NUCLEAR REACTIONS ^{159}Tb(^{16}O, X)^{166}Tm / ^{167}Yb / ^{167}Lu / ^{168m}Lu, E≈90 MeV; ^{169}Tm(^{16}O, X)^{177}Hf / ^{178}Ta / ^{177}W / ^{177}Re / ^{179}Re, E≈87 MeV; measured Eγ, Iγ; deduced (in-)complete fusion evaporation residue yields, σ, $T_{1/2}$, recoil range distributions. JOUR ZAANE 34 29

A=180

^{180}Hf	2007NG03	NUCLEAR REACTIONS ^{180}Hf(^{136}Xe, X)^{180}Hf / ^{182}Hf, E=750 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin. ^{180,182}Hf deduced levels, J, π, rotational and vibrational bands features. Gammasphere, Chico arrays. JOUR PRVCA 75 034305
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007ST20	RADIOACTIVITY ^{180}Hf(IT); measured Eγ, Iγ, angular distributions and mixing ratio. Deduced presence of irregular E2 admixture in the isomeric transition. JOUR PRVCA 76 025502
	2007STZY	RADIOACTIVITY ^{180}Hf(IT); measured Eγ, Iγ, angular distribution and multipole mixing ratio. PREPRINT arXiv:0707.1061v1 [nucl-ex]
	2007ZAZX	RADIOACTIVITY ^{180}Hf(IT); measured Eγ, Iγ, angular distribution. Deduced multipole mixing ratio. CONF Bormio (XLV Winter Meeting) Proc,P348
^{180}Ta	2007BY02	NUCLEAR REACTIONS ^{138}Ba, ^{180}Hf(^{3}He, t), E=140 MeV / nucleon; measured particle spectra. ^{138}La, ^{180}Ta deduced Gamow-Teller strength distributions. Implications for stellar nucleosynthesis discussed. JOUR PRLTA 98 082501
	2007GOZZ	NUCLEAR REACTIONS ^{181}Ta(γ, n), E=9-13 MeV; measured partial and total photoneutron cross sections. CONF Geneva(NIC-IX) 253
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307

A=181

^{181}Hf	2007VO02	NUCLEAR REACTIONS ^{174,180,182}Hf(n, γ), E=spectrum; measured capture σ; deduced Maxwellian averaged σ, stellar enhancement factors. Comparison with model predictions. JOUR PRVCA 75 015804
^{181}W	2007KAZY	NUCLEAR REACTIONS ^{180}W(n, γ), E=thermal; measured capture σ. ^{180,184,186}W(n, γ), E=thermal; measured delayed Eγ, Iγ; deduced production rate. Use of ^{181}W as neutrino source discussed. PREPRINT arXiv:0704.3042v2 [nucl-ex]
^{181}Re	2007KHZZ	NUCLEAR REACTIONS W(p, X)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{183}Ta / ^{184}Ta, E=6.6-40 MeV; measured excitation functions. Stacked-foil activation. PREPRINT nucl-ex/0703035,3/23/2007
	2007LA01	NUCLEAR REACTIONS W(p, xn)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re, E=6-17.6 MeV; measured production σ. Stacked-foil activation technique. JOUR ARISE 65 345

A=182

^{182}Hf	2007NG03	NUCLEAR REACTIONS ^{180}Hf(^{136}Xe, X)^{180}Hf / ^{182}Hf, E=750 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin. ^{180,182}Hf deduced levels, J, π, rotational and vibrational bands features. Gammasphere, Chico arrays. JOUR PRVCA 75 034305
^{182}Ta	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007TR10	NUCLEAR REACTIONS ^{92}Zr, ^{183}W(γ, p), E=10-25 MeV; measured Eγ, Iγ. Deduced isomeric ratios. JOUR PPNLA 4 397
^{182}Re	2007KHZZ	NUCLEAR REACTIONS W(p, X)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{183}Ta / ^{184}Ta, E=6.6-40 MeV; measured excitation functions. Stacked-foil activation. PREPRINT nucl-ex/0703035,3/23/2007
	2007LA01	NUCLEAR REACTIONS W(p, xn)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re, E=6-17.6 MeV; measured production σ. Stacked-foil activation technique. JOUR ARISE 65 345
^{182}Os	2007CA04	RADIOACTIVITY ^{182}Ir(β^+), (EC) [from Pt(p, xn) and subsequent decay]; measured Eγ, Iγ, E(ce), I(ce); deduced log ft. ^{182}Os deduced levels, J, π, ICC. Level systematics in neighboring isotopes discussed. JOUR ZAANE 31 141
^{182}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
	2007CA04	RADIOACTIVITY ^{182}Ir(β^+), (EC) [from Pt(p, xn) and subsequent decay]; measured Eγ, Iγ, E(ce), I(ce); deduced log ft. ^{182}Os deduced levels, J, π, ICC. Level systematics in neighboring isotopes discussed. JOUR ZAANE 31 141
	2007HO20	RADIOACTIVITY ^{182}PT(β^+), (EC); measured delayed Eγ, Iγ, Ee, (electron)γ-coinc. ^{182}Ir deduced levels, J, π, multipolarity. Compared results to model calculations. JOUR ZAANE 33 193
^{182}Pt	2007HO20	RADIOACTIVITY ^{182}PT(β^+), (EC); measured delayed Eγ, Iγ, Ee, (electron)γ-coinc. ^{182}Ir deduced levels, J, π, multipolarity. Compared results to model calculations. JOUR ZAANE 33 193
^{182}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225

A=183

^{183}Hf	2007VO02	NUCLEAR REACTIONS ^{174,180,182}Hf(n, γ), E=spectrum; measured capture σ; deduced Maxwellian averaged σ, stellar enhancement factors. Comparison with model predictions. JOUR PRVCA 75 015804
^{183}Ta	2007KHZZ	NUCLEAR REACTIONS W(p, X)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{183}Ta / ^{184}Ta, E=6.6-40 MeV; measured excitation functions. Stacked-foil activation. PREPRINT nucl-ex/0703035,3/23/2007

A=183 *(continued)*

^{183}Re	2007KHZZ	NUCLEAR REACTIONS W(p, X)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{183}Ta / ^{184}Ta, E=6.6-40 MeV; measured excitation functions. Stacked-foil activation. PREPRINT nucl-ex/0703035,3/23/2007
	2007LA01	NUCLEAR REACTIONS W(p, xn)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re, E=6-17.6 MeV; measured production σ. Stacked-foil activation technique. JOUR ARISE 65 345
^{183}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
^{183}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225

A=184

^{184}Ta	2007KHZZ	NUCLEAR REACTIONS W(p, X)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{183}Ta / ^{184}Ta, E=6.6-40 MeV; measured excitation functions. Stacked-foil activation. PREPRINT nucl-ex/0703035,3/23/2007
^{184}W	2006HA51	RADIOACTIVITY ^{184,184m}Re(EC), (β^+) [from ^{185}Re(γ, n)]; measured Eγ, Iγ, T$_{1/2}$. ^{184}W deduced transitions. JOUR PRVCA 74 065802
^{184}Re	2006HA51	RADIOACTIVITY ^{184,184m}Re(EC), (β^+) [from ^{185}Re(γ, n)]; measured Eγ, Iγ, T$_{1/2}$. ^{184}W deduced transitions. JOUR PRVCA 74 065802
	2006HA51	NUCLEAR REACTIONS ^{185}Re(γ, n), E $\approx$ 2-20 MeV; measured β-delayed Eγ, Iγ; deduced isomer yield ratio. JOUR PRVCA 74 065802
	2007KHZZ	NUCLEAR REACTIONS W(p, X)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{183}Ta / ^{184}Ta, E=6.6-40 MeV; measured excitation functions. Stacked-foil activation. PREPRINT nucl-ex/0703035,3/23/2007
	2007LA01	NUCLEAR REACTIONS W(p, xn)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re, E=6-17.6 MeV; measured production σ. Stacked-foil activation technique. JOUR ARISE 65 345
^{184}Os	2006AV09	NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
^{184}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
^{184}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225
	2007KNZZ	NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185

A=185

^{185}Ta	2007SH42	NUCLEAR REACTIONS ^{186}W(^{18}O, ^{19}F), E=180 MeV; measured Eγ, Iγ, (particle)γ-coin, $\gamma\gamma$-coin. ^{185}Ta deduced levels, J, π. JOUR ZAANE 34 1
^{185}W	2007KAZY	NUCLEAR REACTIONS ^{180}W(n, γ), E=thermal; measured capture σ. ^{180,184,186}W(n, γ), E=thermal; measured delayed Eγ, Iγ; deduced production rate. Use of ^{181}W as neutrino source discussed. PREPRINT arXiv:0704.3042v2 [nucl-ex]
^{185}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
^{185}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225

A=186

^{186}Re	2007KHZZ	NUCLEAR REACTIONS W(p, X)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{183}Ta / ^{184}Ta, E=6.6-40 MeV; measured excitation functions. Stacked-foil activation. PREPRINT nucl-ex/0703035,3/23/2007
	2007LA01	NUCLEAR REACTIONS W(p, xn)^{181}Re / ^{182}Re / ^{182m}Re / ^{183}Re / ^{184}Re / ^{186}Re, E=6-17.6 MeV; measured production σ. Stacked-foil activation technique. JOUR ARISE 65 345
	2007TA30	NUCLEAR REACTIONS ^{186}W(p, n), E $<$ 30 MeV; measured cross sections and excitation function using the activation technique. Compared results to existing data and model calculations. JOUR NIMBE 264 389
^{186}Os	2006AV09	NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
^{186}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
^{186}Pb	2006ANZT	RADIOACTIVITY ^{194}Rn, ^{190}Po(α) [from ^{144}Sm(^{52}Cr, 2n)]; measured Eα, T$_{1/2}$. REPT GSI 2006-1,P196,Andreyev
	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225
	2007PA05	NUCLEAR REACTIONS ^{106}Pd(^{83}Kr, 3n), E=355 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (recoil)γ-coin. ^{186}Pb deduced levels, J, π, rotational and vibrational bands, deformation. Recoil-decay tagging, interacting boson model and mean-field model calculations. JOUR PRVCA 75 014302

A=187

^{187}W	2007KAZY	NUCLEAR REACTIONS ^{180}W(n, γ), E=thermal; measured capture σ. ^{180,184,186}W(n, γ), E=thermal; measured delayed Eγ, Iγ; deduced production rate. Use of ^{181}W as neutrino source discussed. PREPRINT arXiv:0704.3042v2 [nucl-ex]
	2007KI03	NUCLEAR REACTIONS ^{63}Cu, ^{186}W(n, γ), E=1-2 MeV; measured capture σ. JOUR JRNCD 271 553
^{187}Os	2006AV09	NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59
	2007MO17	NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E=1 eV to 1 MeV; measured cross section at the CERN n_TOF facility. ^{187}Os(n, n'), E=30 keV; measured inelastic scattering cross section. JOUR PPNPD 59 165
	2007SE07	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=5-90 keV; measured Eγ, Iγ, neutron capture cross sections. JOUR PRVCA 76 022802
	2007SEZY	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=low; measured prompt γ ray, cross sections. ^{187}Os(n, n'), E=10-70 keV; measured cross sections. CONF Geneva(NIC-IX) 054
^{187}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
^{187}Pt	2007CAZV	NUCLEAR REACTIONS ^{181}Ta(^{11}B, 5n), E=71 MeV; measured Eγ, Iγ. ^{187}Pt deduced high spin levels, J, π, shape coexistence. CONF Iguazu(Nuclear Physics and Applications) Proc,P448,Cardona
	2007ZH09	NUCLEAR REACTIONS ^{173}Yb(^{18}O, 4n), E=78, 85 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{187}Pt deduced high-spin levels, J, π, configurations, B(M1) / B(E2). Comparison with model predictions. JOUR PRVCA 75 034314
^{187}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225
^{187}Po	2007AN19	NUCLEAR REACTIONS ^{144}Sm(^{46}Ti, 3n)^{187}Po, E=224 MeV; ^{144}Sm(^{52}Cr, X)^{193,194}Rn, E=232, 252 meV; measured Eα. ^{187}Po, ^{193,194}Rn deduced levels. JOUR APOBB 38 1557

A=188

^{188}Os	2006AV09	NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
	2006MO40	NUCLEAR REACTIONS ^{192}Os(^{82}Se, X)^{188}Os / ^{190}Os, E=460 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{188,190}Os deduced high-spin levels, J, π. GASP array. JOUR IMPEE 15 1797
	2007MA43	NUCLEAR REACTIONS ^{176}Yb(^{12}C, F), E=65, 84 MeV; measured Eγ, Iγ, angular anisotropy from GDR decay. ^{188}Os deduced shape parameters. JOUR APOBB 38 1463

A=188 *(continued)*

	2007MO17	NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E=1 eV to 1 MeV; measured cross section at the CERN n_TOF facility. ^{187}Os(n, n'), E=30 keV; measured inelastic scattering cross section. JOUR PPNPD 59 165
	2007SE07	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=5-90 keV; measured Eγ, Iγ, neutron capture cross sections. JOUR PRVCA 76 022802
	2007SEZY	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=low; measured prompt γ ray, cross sections. ^{187}Os(n, n'), E=10-70 keV; measured cross sections. CONF Geneva(NIC-IX) 054
^{188}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
^{188}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225

A=189

^{189}Os	2006AV09	NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59
	2007MO17	NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E=1 eV to 1 MeV; measured cross section at the CERN n_TOF facility. ^{187}Os(n, n'), E=30 keV; measured inelastic scattering cross section. JOUR PPNPD 59 165
^{189}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
	2007ZHZZ	NUCLEAR REACTIONS ^{190}Ir(γ, n), ^{196}Au(γ, n), E(end point)=12.0, 12.5, 14.5, 22 MeV; ^{197}Au(n, γ) E=thermal, slow; measured Eγ, Iγ; ^{190m,190g}Ir, ^{196m,196g}Au deduced σ_m / σ_g; ^{197m,197g}Au deduced σ_m / σ_m+σ_g. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P136,Zheltonozhsky
^{189}Tl	2007CH41	NUCLEAR REACTIONS ^{165}Ho(^{28}Si, 4n)^{189}Tl, E=138 MeV; measured Eγ, Iγ, lifetimes of high spin states using recoil distance measurement technique. Deduced transition quadrupole moment and deformation parameters. JOUR PRVCA 75 054323
^{189}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225
^{189}Po	2006AN36	RADIOACTIVITY ^{193,194}Rn(α) [from ^{144}Sm(^{52}Cr, xn)]; measured Eα, Iα, T$_{1/2}$; deduced deformation effects. JOUR PRVCA 74 064303

A=190

^{190}Os	2006AV09	NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
	2006MO40	NUCLEAR REACTIONS ^{192}Os(^{82}Se, X)^{188}Os / ^{190}Os, E=460 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{188,190}Os deduced high-spin levels, J, π. GASP array. JOUR IMPEE 15 1797
	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59
	2007SE07	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=5-90 keV; measured Eγ, Iγ, neutron capture cross sections. JOUR PRVCA 76 022802
	2007SEZY	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=low; measured prompt γ ray, cross sections. ^{187}Os(n, n'), E=10-70 keV; measured cross sections. CONF Geneva(NIC-IX) 054
^{190}Ir	2007PA14	NUCLEAR REACTIONS ^{191}Ir(n, 2n), E=10.0-11.3 MeV; measured activation σ, isomer ratio. Comparison with statistical model predictions. JOUR PRVCA 75 034607
	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{190}Au	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
^{190}Hg	2006LE44	NUCLEAR REACTIONS ^{188,190,192}Pt(α, 2n)^{190,192,194}Pt, E=27 MeV; measured g-factors of isomeric states using integral perturbed angular distribution of γ-rays in an external magnetic field of 2.9T. JOUR BRSPE 70 1822
^{190}Pb	2006SE18	NUCLEAR MOMENTS ^{182,183,184,185,186,187,188,189,190}Pb; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225
^{190}Po	2006AN36	RADIOACTIVITY ^{193,194}Rn(α) [from ^{144}Sm(^{52}Cr, xn)]; measured Eα, Iα, T$_{1/2}$; deduced deformation effects. JOUR PRVCA 74 064303
	2006ANZT	RADIOACTIVITY ^{194}Rn, ^{190}Po(α) [from ^{144}Sm(^{52}Cr, 2n)]; measured Eα, T$_{1/2}$. REPT GSI 2006-1,P196,Andreyev

A=191

^{191}Os	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59
^{191}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489

A=191 *(continued)*

	2007LA18	RADIOACTIVITY ^{191}Pt(EC); measured Eγ, Iγ. ^{191}Ir deduced level energies. JOUR BRSPE 71 742
	2007LAZX	RADIOACTIVITY ^{191}Pt(EC); measured Eγ; ^{191}Ir deduced levels. CONF Voronezh(Nucleus-2007),Contrib,P108,Lashko
^{191}Pt	2007LA18	RADIOACTIVITY ^{191}Pt(EC); measured Eγ, Iγ. ^{191}Ir deduced level energies. JOUR BRSPE 71 742
	2007LAZX	RADIOACTIVITY ^{191}Pt(EC); measured Eγ; ^{191}Ir deduced levels. CONF Voronezh(Nucleus-2007),Contrib,P108,Lashko
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
^{191}Au	2007OK05	NUCLEAR REACTIONS ^{186}W(^{11}B, 4n), (^{11}B, 4np), (^{11}B, 6n), E=68 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma(\theta)$, linear polarization.^{191,193}Au, ^{192}Pt deduced levels, J, π; calculated deformation parameters using Particle-Plus-Triaxial Rotor model. JOUR PRVCA 76 044315
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307

A=192

^{192}Os	2006AV09	NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
^{192}Ir	2007TA28	NUCLEAR REACTIONS ^{192}Os(d, 2n), (d, p), E $<$ 21 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation. Compared results to model calculations. JOUR ARISE 65 1215
	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{192}Pt	2007OK05	NUCLEAR REACTIONS ^{186}W(^{11}B, 4n), (^{11}B, 4np), (^{11}B, 6n), E=68 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma(\theta)$, linear polarization.^{191,193}Au, ^{192}Pt deduced levels, J, π; calculated deformation parameters using Particle-Plus-Triaxial Rotor model. JOUR PRVCA 76 044315
^{192}Au	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
^{192}Hg	2006LE44	NUCLEAR REACTIONS ^{188,190,192}Pt(α, 2n)^{190,192,194}Pt, E=27 MeV; measured g-factors of isomeric states using integral perturbed angular distribution of γ-rays in an external magnetic field of 2.9T. JOUR BRSPE 70 1822

A=192 *(continued)*

^{192}Pb	2007IO01	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n)^{192}Pb, ^{170}Er(^{29}Si, 5n)^{170}Er, E not given; measured Eγ, Iγ(θ, E, t). ^{192,194}Pb deduced quadrupole moments of isomeric states using the TDPAD method. JOUR APOBB 38 1249
	2007IO03	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n), ^{170}Er(^{28}Si, 5n), E=143 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, time differential perturbed angular distributions, lifetimes. ^{192}Pb, ^{194}Pb deduced levels, J, π, spectroscopic quadrupole moments. JOUR PYLBB 650 141
	2007KNZZ	NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185

A=193

^{193}Os	2007TA28	NUCLEAR REACTIONS ^{192}Os(d, 2n), (d, p), E < 21 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation. Compared results to model calculations. JOUR ARISE 65 1215
	2007ZAZZ	RADIOACTIVITY ^{193}Os(β^-); measured Eγ, $\gamma\gamma$ angular correlation. ^{193}Ir deduced multipole mixing ratio. CONF Iguazu(Nuclear Physics and Applications) Proc,P442,Zahn
^{193}Ir	2006VE10	NUCLEAR MOMENTS ^{182,183,184,185,186,186m,187,188,189,191,193}Ir; measured hfs, isotope shift; deduced μ, quadrupole moments, radii, β_2. Laser spectroscopy. JOUR ZAANE 30 489
	2007TAZW	NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan
	2007ZAZZ	RADIOACTIVITY ^{193}Os(β^-); measured Eγ, $\gamma\gamma$ angular correlation. ^{193}Ir deduced multipole mixing ratio. CONF Iguazu(Nuclear Physics and Applications) Proc,P442,Zahn
^{193}Au	2007OK05	NUCLEAR REACTIONS ^{186}W(^{11}B, 4n), (^{11}B, 4np), (^{11}B, 6n), E=68 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma(\theta)$, linear polarization.^{191,193}Au, ^{192}Pt deduced levels, J, π; calculated deformation parameters using Particle-Plus-Triaxial Rotor model. JOUR PRVCA 76 044315
^{193}Pb	2007IO03	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n), ^{170}Er(^{28}Si, 5n), E=143 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, time differential perturbed angular distributions, lifetimes. ^{192}Pb, ^{194}Pb deduced levels, J, π, spectroscopic quadrupole moments. JOUR PYLBB 650 141
^{193}Rn	2006AN36	RADIOACTIVITY ^{193,194}Rn(α) [from ^{144}Sm(^{52}Cr, xn)]; measured Eα, Iα, T$_{1/2}$; deduced deformation effects. JOUR PRVCA 74 064303
	2006AN36	NUCLEAR REACTIONS ^{144}Sm(^{52}Cr, 2n), (^{52}Cr, 3n), E=231-252 MeV; measured production σ. Velocity filter. JOUR PRVCA 74 064303
	2006ANZT	NUCLEAR REACTIONS ^{144}Sm(^{52}Cr, 2n), (^{52}Cr, 3n), E=230 MeV; measured Eγ, Iγ, delayed Eα, (recoil)α-coin. REPT GSI 2006-1,P196,Andreyev
	2007AN19	NUCLEAR REACTIONS ^{144}Sm(^{46}Ti, 3n)^{187}Po, E=224 MeV; ^{144}Sm(^{52}Cr, X)^{193,194}Rn, E=232, 252 meV; measured Eα. ^{187}Po, ^{193,194}Rn deduced levels. JOUR APOBB 38 1557

A=194

^{194}Re	2007KUZZ	RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ^{208}Pb fragmentation]; measured $T_{1/2}$. Comparison with model predictions. CONF Geneva(NIC-IX) 008
^{194}Ir	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007TAZW	NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan
^{194}Pt	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
^{194}Au	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
^{194}Hg	2006LE44	NUCLEAR REACTIONS ^{188,190,192}Pt(α, 2n)^{190,192,194}Pt, E=27 MeV; measured g-factors of isomeric states using integral perturbed angular distribution of γ-rays in an external magnetic field of 2.9T. JOUR BRSPE 70 1822
^{194}Pb	2007IO01	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n)^{192}Pb, ^{170}Er(^{29}Si, 5n)^{170}Er, E not given; measured Eγ, Iγ(θ, E, t). ^{192,194}Pb deduced quadrupole moments of isomeric states using the TDPAD method. JOUR APOBB 38 1249
	2007IO03	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n), ^{170}Er(^{28}Si, 5n), E=143 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, time differential perturbed angular distributions, lifetimes. ^{192}Pb, ^{194}Pb deduced levels, J, π, spectroscopic quadrupole moments. JOUR PYLBB 650 141
	2007KNZZ	NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185
^{194}Rn	2006AN36	RADIOACTIVITY ^{193,194}Rn(α) [from ^{144}Sm(^{52}Cr, xn)]; measured Eα, Iα, $T_{1/2}$; deduced deformation effects. JOUR PRVCA 74 064303
	2006AN36	NUCLEAR REACTIONS ^{144}Sm(^{52}Cr, 2n), (^{52}Cr, 3n), E=231-252 MeV; measured production σ. Velocity filter. JOUR PRVCA 74 064303
	2006ANZT	NUCLEAR REACTIONS ^{144}Sm(^{52}Cr, 2n), (^{52}Cr, 3n), E=230 MeV; measured Eγ, Iγ, delayed Eα, (recoil)α-coin. REPT GSI 2006-1,P196,Andreyev

A=194 *(continued)*

	2006ANZT	RADIOACTIVITY ^{194}Rn, ^{190}Po(α) [from ^{144}Sm(^{52}Cr, 2n)]; measured Eα, T$_{1/2}$. REPT GSI 2006-1,P196,Andreyev
	2007AN19	NUCLEAR REACTIONS ^{144}Sm(^{46}Ti, 3n)^{187}Po, E=224 MeV; ^{144}Sm(^{52}Cr, X)^{193,194}Rn, E=232, 252 meV; measured Eα. ^{187}Po, ^{193,194}Rn deduced levels. JOUR APOBB 38 1557

A=195

^{195}Re	2007KUZZ	RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ^{208}Pb fragmentation]; measured T$_{1/2}$. Comparison with model predictions. CONF Geneva(NIC-IX) 008
^{195}Pt	2006BI19	NUCLEAR REACTIONS ^{113}In, ^{195}Pt, ^{199}Hg(γ, γ'), E=4-12 MeV; measured isomer production σ. JOUR BRSPE 70 292
^{195}Au	2007ZHZZ	NUCLEAR REACTIONS ^{190}Ir(γ, n), ^{196}Au(γ, n), E(end point)=12.0, 12.5, 14.5, 22 MeV; ^{197}Au(n, γ) E=thermal, slow; measured Eγ, Iγ; ^{190m,190g}Ir, ^{196m,196g}Au deduced σ_m / σ_g; ^{197m,197g}Au deduced σ_m / σ_m+σ_g. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P136,Zheltonozhsky

A=196

^{196}Re	2007KUZZ	RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ^{208}Pb fragmentation]; measured T$_{1/2}$. Comparison with model predictions. CONF Geneva(NIC-IX) 008
^{196}Pt	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007PE28	NUCLEAR REACTIONS ^{196}Pt(d, 2n), E=12.2 MeV; measured Eγ, Iγ. ^{196}Pt deduced levels T$_{1/2}$, B(E1), B(E2), B(M1) using centroid shift analysis. JOUR NUPAB 796 1
^{196}Au	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007HA24	NUCLEAR REACTIONS ^{152}Sm, ^{197}Au(γ, n), E=8.3-12.4 MeV; measured cross sections. JOUR JNSTA 44 938
	2007KU25	NUCLEAR REACTIONS ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{196}Tl / ^{198}Tl, E=7-60 MeV; measured Eγ, Iγ, cross sections, and excitation functions using stacked foil technique. JOUR JPGPE 34 2297
	2007KUZX	NUCLEAR REACTIONS ^{197}Au(α, xn), (α, nα), (α, 2np), E=14-36 MeV; measured excitation functions using stacked foil activation. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P196

A=196 *(continued)*

	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185
	2007PE28	NUCLEAR REACTIONS ^{196}Pt(d, 2n), E=12.2 MeV; measured Eγ, Iγ. ^{196}Pt deduced levels $T_{1/2}$, B(E1), B(E2), B(M1) using centroid shift analysis. JOUR NUPAB 796 1
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
^{196}Tl	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007KU25	NUCLEAR REACTIONS ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{196}Tl / ^{198}Tl, E=7-60 MeV; measured Eγ, Iγ, cross sections, and excitation functions using stacked foil technique. JOUR JPGPE 34 2297
	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185

A=197

^{197}Au	2007SM01	NUCLEAR REACTIONS ^{197}Au(n, n), E $\approx$ 4.5-10.0 MeV; measured $\sigma(\theta)$. Optical-statistical, dispersion, and coupled-channels model analysis. JOUR NSENA 155 74
	2007VA22	NUCLEAR REACTIONS ^{197}Au(^{106}Sn, ^{106}Sn'), (^{108}Sn, ^{108}Sn'), (^{110}Sn, ^{110}sn'), (^{112}Sn, ^{112}Sn'), E=78-81 MeV; measured Eγ, Iγ, (particle)γ-coinc from projectile coulomb excitation. ^{106,108,110,112}Sn deduced B(E2). JOUR PRLTA 99 162501
^{197}Tl	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362

A=197 *(continued)*

	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E ≈ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E ≈ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E ≈ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185
	2007SI28	NUCLEAR REACTIONS ^{181}Ta(^{16}O, F), E=105, 110, 115 MeV; ^{178}Hf(^{19}F, F), E=108, 113, 118 MeV; measured neutron spectra, neutron multiplicities, angular momentum, dissipation strengths as function of excitation energies. ^{197}Tl; deduced compound nucleus fission channels. JOUR PRVCA 76 044610
^{197}Bi	2007MU07	NUCLEAR REACTIONS ^{109}Ag(^{88}Kr, γ), ^{109}Ag(^{92}Kr, γ);E= 2.2 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc using MINIBALL. Deduced B(E2). JOUR PPNPD 59 361

A=198

^{198}Ir	2007KUZZ	RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ^{208}Pb fragmentation]; measured T$_{1/2}$. Comparison with model predictions. CONF Geneva(NIC-IX) 008
^{198}Au	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E ≈ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E ≈ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E ≈ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007KU25	NUCLEAR REACTIONS ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{196}Tl / ^{198}Tl, E=7-60 MeV; measured Eγ, Iγ, cross sections, and excitation functions using stacked foil technique. JOUR JPGPE 34 2297
	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E ≈ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E ≈ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E ≈ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185
	2007SH15	NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
	2007SP01	RADIOACTIVITY ^{198}Au(β^-); measured T$_{1/2}$ for source in metallic environment; deduced temperature dependence. JOUR ZAANE 31 203
	2007ZHZZ	NUCLEAR REACTIONS ^{190}Ir(γ, n), ^{196}Au(γ, n), E(end point)=12.0, 12.5, 14.5, 22 MeV; ^{197}Au(n, γ) E=thermal, slow; measured Eγ, Iγ; ^{190m,190g}Ir, ^{196m,196g}Au deduced σ_m / σ_g; ^{197m,197g}Au deduced σ_m / σ_m+σ_g. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P136,Zheltonozhsky
^{198}Hg	2007KUZX	NUCLEAR REACTIONS ^{197}Au(α, xn), (α, nα), (α, 2np), E=14-36 MeV; measured excitation functions using stacked foil activation. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P196

A=198 *(continued)*

	2007SP01	RADIOACTIVITY ^{198}Au(β^-); measured $T_{1/2}$ for source in metallic environment; deduced temperature dependence. JOUR ZAANE 31 203
^{198}Tl	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007KU09	NUCLEAR REACTIONS ^{197}Au(α, n), (α, 2n), (α, 3n), E=14-36 MeV;measured Eγ, Iγ. Deduced excitation functions using stack activation technique. JOUR PANUE 70 613
	2007KU25	NUCLEAR REACTIONS ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{196}Tl / ^{198}Tl, E=7-60 MeV; measured Eγ, Iγ, cross sections, and excitation functions using stacked foil technique. JOUR JPGPE 34 2297
	2007LA22	NUCLEAR REACTIONS ^{197}Au(α, 3n)^{198}Tl, E=40 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{198}Tl deduced levels, J, π. JOUR APOBB 38 1417
	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185

A=199

^{199}Au	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
^{199}Hg	2006BI19	NUCLEAR REACTIONS ^{113}In, ^{195}Pt, ^{199}Hg(γ, γ'), E=4-12 MeV; measured isomer production σ. JOUR BRSPE 70 292
^{199}Tl	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007AS04	NUCLEAR REACTIONS ^{203}Tl(γ, n), (γ, 2n), (γ, 3n), (γ, 4n), Eγ=50 MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ-ray spectra from the residual activity of the irradiated sample. JOUR BRSPE 71 332
	2007BA04	NUCLEAR REACTIONS ^{197}Au(α, γ), (α, 2n), E=17.9-23.9 MeV; ^{197}Au(α, n), E=13.4-23.9 MeV; measured σ. ^{64}Zn(α, γ), E=7-14 MeV; ^{63}Cu(α, γ), E=7 MeV; measured thick target yields. Activation technique, comparison with model predictions. JOUR PRVCA 75 015802
	2007KU09	NUCLEAR REACTIONS ^{197}Au(α, n), (α, 2n), (α, 3n), E=14-36 MeV;measured Eγ, Iγ. Deduced excitation functions using stack activation technique. JOUR PANUE 70 613

A=199 ***(continued)***

	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E ≈ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E ≈ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E ≈ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185
	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

A=200

^{200}Tl	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E ≈ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E ≈ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E ≈ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007AS04	NUCLEAR REACTIONS ^{203}Tl(γ, n), (γ, 2n), (γ, 3n), (γ, 4n), Eγ=50 MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ-ray spectra from the residual activity of the irradiated sample. JOUR BRSPE 71 332
	2007BA04	NUCLEAR REACTIONS ^{197}Au(α, γ), (α, 2n), E=17.9-23.9 MeV; ^{197}Au(α, n), E=13.4-23.9 MeV; measured σ. ^{64}Zn(α, γ), E=7-14 MeV; ^{63}Cu(α, γ), E=7 MeV; measured thick target yields. Activation technique, comparison with model predictions. JOUR PRVCA 75 015802
	2007KU09	NUCLEAR REACTIONS ^{197}Au(α, n), (α, 2n), (α, 3n), E=14-36 MeV;measured Eγ, Iγ. Deduced excitation functions using stack activation technique. JOUR PANUE 70 613
	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E ≈ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E ≈ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E ≈ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185
	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

A=201

^{201}Hg	2007ME12	RADIOACTIVITY ^{201}Hg[from ^{201}Tl(EC)]; measured Eγ, Iγ, eγ-coinc, $T_{1/2}$ of the first excited state. ^{201}Hg deduced B(M1) and B(E2). JOUR PRVCA 75 064306

A=201 *(continued)*

	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{201}Tl	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007AS04	NUCLEAR REACTIONS ^{203}Tl(γ, n), (γ, 2n), (γ, 3n), (γ, 4n), Eγ=50 MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ-ray spectra from the residual activity of the irradiated sample. JOUR BRSPE 71 332
	2007BA04	NUCLEAR REACTIONS ^{197}Au(α, γ), (α, 2n), E=17.9-23.9 MeV; ^{197}Au(α, n), E=13.4-23.9 MeV; measured σ. ^{64}Zn(α, γ), E=7-14 MeV; ^{63}Cu(α, γ), E=7 MeV; measured thick target yields. Activation technique, comparison with model predictions. JOUR PRVCA 75 015802
	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185
	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182
^{201}Pb	2007AL13	NUCLEAR REACTIONS Tl(p, X)^{201}Pb / ^{202m}Pb / ^{203}Pb / ^{204m}Pb, E $\approx$ 6-27 MeV; measured excitation functions; deduced integral yields. Stacked foil activation technique. JOUR RAACA 95 127
^{201}Bi	2007MU07	NUCLEAR REACTIONS ^{109}Ag(^{88}Kr, γ), ^{109}Ag(^{92}Kr, γ);E= 2.2 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc using MINIBALL. Deduced B(E2). JOUR PPNPD 59 361

A=202

^{202}Ir	2007KUZZ	RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ^{208}Pb fragmentation]; measured T$_{1/2}$. Comparison with model predictions. CONF Geneva(NIC-IX) 008
^{202}Tl	2007AS04	NUCLEAR REACTIONS ^{203}Tl(γ, n), (γ, 2n), (γ, 3n), (γ, 4n), Eγ=50 MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ-ray spectra from the residual activity of the irradiated sample. JOUR BRSPE 71 332
	2007FO06	NUCLEAR REACTIONS ^{203}Tl(n, 2nγ), E=0.6-250 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, and excitation functions. ^{202}Tl deduced levels, J, π. JOUR PRVCA 76 014302

A=202 *(continued)*

^{202}Pb	2007AL13	NUCLEAR REACTIONS Tl(p, X)^{201}Pb / ^{202m}Pb / ^{203}Pb / ^{204m}Pb, E ≈ 6-27 MeV; measured excitation functions; deduced integral yields. Stacked foil activation technique. JOUR RAACA 95 127
	2007KNZZ	NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185

A=203

^{203}Pb	2007AL13	NUCLEAR REACTIONS Tl(p, X)^{201}Pb / ^{202m}Pb / ^{203}Pb / ^{204m}Pb, E ≈ 6-27 MeV; measured excitation functions; deduced integral yields. Stacked foil activation technique. JOUR RAACA 95 127
	2007TI03	NUCLEAR REACTIONS Pb, ^{208}Pb, ^{209}Bi(p, X)^{7}Be / ^{24}Na / ^{59}Fe / ^{86}Rb / ^{101m}Rh / ^{173}Lu / ^{190}Ir / ^{192}Ir / ^{196}Au / ^{199}Tl / ^{200}Tl / ^{203}Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

A=204

^{204}Pb	2007AL13	NUCLEAR REACTIONS Tl(p, X)^{201}Pb / ^{202m}Pb / ^{203}Pb / ^{204m}Pb, E ≈ 6-27 MeV; measured excitation functions; deduced integral yields. Stacked foil activation technique. JOUR RAACA 95 127
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501

A=205

^{205}Pb	2006ARZX	NUCLEAR REACTIONS ^{27}Al(n, α), E=14 MeV; ^{144}Sm, ^{206,208}Pb(n, 2n), E=14 MeV; measured isomer production σ. REPT JAEA-Conf 2006-009,P89,Arakita
	2007CO07	RADIOACTIVITY ^{209}Po(α); measured decay rates from standard source; deduced possible error in previously published $T_{1/2}$. JOUR ARISE 65 728
	2007DO02	NUCLEAR REACTIONS ^{204}Pb(n, γ), E=0.001-440 keV; measured capture σ; deduced resonance parameters. JOUR PRVCA 75 015806
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501

A=206

^{206}Pb	2007BO22	RADIOACTIVITY ^{210}Po(α); measured Eα, Eγ, $\alpha\gamma$-coinc. Deduced differential bremsstrahlung emission probability. JOUR PRLTA 99 022505
	2007BO24	NUCLEAR REACTIONS ^{206}Pb(n, n'), (n, γ), E=1-620 keV; measured En, Eγ, and yields. Deduced resonance parameters. JOUR PRVCA 76 014605
	2007BOZZ	RADIOACTIVITY ^{210}Po(α); measured Eγ, Iγ, $\alpha\gamma$-coinc for bremsstrahlung photons. Deduced differential emission probability.and angular correlations PREPRINT arXiv:0706.2109v1 [nucl-ex]
	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007RA22	RADIOACTIVITY ^{210}Po(α); measured Eα, Iα, $T_{1/2}$ as a function of temperature by implanting Po ions in cooled metallic copper. JOUR ZAANE 32 51
^{206}Fr	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81

A=207

^{207}Tl	2006MAZU	RADIOACTIVITY ^{207}Tl(β^-); measured decay constant for bound-state beta decay. Schottky analysis. REPT GSI 2006-1,P143,Maier
^{207}Pb	2006ARZX	NUCLEAR REACTIONS ^{27}Al(n, α), E=14 MeV; ^{144}Sm, ^{206,208}Pb(n, 2n), E=14 MeV; measured isomer production σ. REPT JAEA-Conf 2006-009,P89,Arakita
	2006MAZU	RADIOACTIVITY ^{207}Tl(β^-); measured decay constant for bound-state beta decay. Schottky analysis. REPT GSI 2006-1,P143,Maier
	2007BO24	NUCLEAR REACTIONS ^{206}Pb(n, n'), (n, γ), E=1-620 keV; measured En, Eγ, and yields. Deduced resonance parameters. JOUR PRVCA 76 014605
	2007DO18	NUCLEAR REACTIONS ^{206}Pb(n, γ), E<1 MeV; measured Eγ, Iγ; ^{207}Pb deduced levels, J, π, resonance parameters, reaction cross sections. CERN n_TOF facility. JOUR PRVCA 76 045805
	2007DOZY	NUCLEAR REACTIONS ^{206}Pb(n, γ), E=0.001-600 keV; measured Eγ, Iγ, yields.Deduced resonance parameters and maxwellian averaged cross sections. PREPRINT arXiv:0707.3679v1 [nucl-ex]
	2007HU02	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ). ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. JOUR PRVCA 75 014606

A=207 *(continued)*

2007HU16 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured measured σ, angular distributions. Deduced ISGDR direct-decay branching ratios. JOUR APOBB 38 1479

2007HU20 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407

2007MA58 NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

2007ME09 NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501

2007WO06 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ), excitation energy spectra. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. ^{140}Ce(α, $\alpha\gamma$), E=136 MeV; measured Eγ, Eα. ^{140}Ce deduced E1 strength distribution. JOUR NUPAB 788 27c

A=208

^{208}Pb 2007BL10 NUCLEAR REACTIONS ^{12}C, ^{208}Pb(n, n), E=96 MeV; Fe, Pb, U(n, pX), (n, dX), (n, tX), E=96 MeV; measured $\sigma(\theta)$. ^{181}Ta, W, ^{197}Au, Pb, ^{208}Pb(n, F), E=20-200 MeV; measured fission σ. Cu(n, X)^{56}Co, E=50-180 MeV; measured σ. JOUR PRAMC 68 269

2007GOZV NUCLEAR REACTIONS ^{208}Pb(^{23}Al, p^{22}Mg), E=48.4 MeV / nucleon; measured particle energies, emission angles, Eγ, Iγ, (particle)γ-coinc, σ. ^{22}Mg(p, γ); deduced reaction rate. REPT RIKEN-NC-NP-14,Gomi

2007HE01 NUCLEAR REACTIONS ^{207}Pb(d, p), E*=5.2-5.7 MeV; measured Ep, $\sigma(\theta)$. ^{208}Pb deduced 0^- states level energies, configuration, spectroscopic factors, mixing strength. JOUR PRVCA 75 024312

2007HEZZ NUCLEAR REACTIONS ^{207}Pb(d, p), E*=5.2-5.7 MeV; measured Ep, $\sigma(\theta)$. ^{208}Pb deduced 0^- states level energies, spectroscopic factors, mixing strength. PREPRINT Heusler,1/23/2007

2007HU02 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ). ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. JOUR PRVCA 75 014606

2007HU20 NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407

A=208 ***(continued)***

	2007KL05	NUCLEAR REACTIONS Be(^{238}U, X), E=550 MeV / nucleon; measured fragment yields. ^{12}C, ^{208}Pb(^{129}Sn, X), (^{130}Sn, X), (^{131}Sn, X), (^{132}Sn, X), (^{133}Sn, X), E$\approx$ 500 MeV / nucleon; measured En, Eγ, nγ-coin; deduced electromagnetic dissociation σ(E). ^{129,130,131,132,133}Sn deduced dipole strength distributions, B(E1), pygmy and giant dipole resonance parameters. Comparison with RPA calculations. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb(γ, γ'), E not given; analyzed Eγ, Iγ. ^{40,44,48}Ca, ^{116,124}Sn, ^{138}Ba, ^{140}Ce, ^{142}Nd, ^{144}Sm, ^{208}Pb deduced B(E1). JOUR NUPAB 788 145c
	2007KLZZ	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(p-bar, X), E at 106 MeV / c; measured X-ray spectra from decay of antiprotonic atoms. ^{208}Pb, ^{209}Bi deduced neutron density distributions, radii. PREPRINT nucl-ex/0702016,2/9/2007
	2007KUZY	NUCLEAR REACTIONS ^{208}Pb(^{152}Sm, ^{152}Sm'), E=652 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{152}Sm, deduced level energies, J, π, B(E2). PREPRINT arXiv.0706.4129v2 [nucl-ex]
	2007LI43	NUCLEAR REACTIONS ^{152}Sm(^{16}O, ^{16}O), (^{16}O, ^{16}O'), (^{16}O, X), E(cm)=45-70 MeV; measured σ(θ=156, θ=160, θ=164), evaporation residue σ for boron, carbon, nitrogen and oxygen isotopes; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), (^{6}Li, ^{6}Li'), (^{6}Li, X), (^{7}Li, ^{7}Li), (^{7}Li, ^{7}Li'), (^{7}Li, X), E(cm)=18-42 MeV; ^{90,96}Zr(^{32}S, X), E(cm)=60-95 MeV; measured σ; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), E(cm)=26-40 MeV; measured fusion σ; deduced reaction mechanism features. Comparison with coupled-channels model. JOUR NUPAB 787 281c
	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801
	2007ME09	NUCLEAR REACTIONS ^{127}I(μ^-, ν), (μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), (μ^-, 6nν), E at rest; ^{197}Au(μ^-, nν), (μ^-, 3nν), E at rest; ^{209}Bi(μ^-, nν), (μ^-, 2nν), (μ^-, 3nν), (μ^-, 4nν), (μ^-, 5nν), E at rest; measured Eγ, Iγ, X-ray spectra. JOUR PRVCA 75 045501
	2007SU18	NUCLEAR REACTIONS ^{208}Pb(^{11}Be, ^{11}Be'), E=38.6 MeV / nucleon; measured Coulomb excitation σ. ^{11}Be deduced B(E1) strengths; calculated σ. Extended continuum discretized coupled channels method. Comparison with previous data. JOUR PYLBB 650 124
	2007WO06	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'), (α, nα), E=200 MeV; measured Eγ, Eα, En, σ(E, θ), excitation energy spectra. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced isoscalar GDR neutron decay features. ^{140}Ce(α, $\alpha\gamma$), E=136 MeV; measured Eγ, Eα. ^{140}Ce deduced E1 strength distribution. JOUR NUPAB 788 27c
^{208}Bi	2007ZE06	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). JOUR PRLTA 99 202501
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

A=209

^{209}Bi	2006MO42	NUCLEAR MOMENTS ^{209}Bi; measured hfs. Resonance ionization spectroscopy. JOUR HYIND 171 135
	2007KLZZ	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(p-bar, X), E at 106 MeV / c; measured X-ray spectra from decay of antiprotonic atoms. ^{208}Pb, ^{209}Bi deduced neutron density distributions, radii. PREPRINT nucl-ex/0702016,2/9/2007
	2007KO23	NUCLEAR REACTIONS ^{209}Bi(^{6}He, 2nα), E=22.5 MeV; measured En, Eα, nα-coin, $\sigma(\theta)$; deduced reaction mechanism features. ^{6}He level deduced B(E2). JOUR PRVCA 75 031302
^{209}Po	2007CO07	RADIOACTIVITY ^{209}Po(α); measured decay rates from standard source; deduced possible error in previously published T$_{1/2}$. JOUR ARISE 65 728
^{209}At	2007TA17	RADIOACTIVITY ^{209}Rn(EC); measured Eγ, Iγ, polarization and relaxation. JOUR NIMAE 579 472
^{209}Rn	2006KU26	RADIOACTIVITY ^{213,213m,214,214m}Ra(α) [from ^{170}Er(^{48}Ca, xn), (^{50}Ti, 3n) and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin, T$_{1/2}$. ^{209,210}Rn deduced levels, J, π, ICC. Velocity filter. JOUR ZAANE 30 551
	2007TA17	RADIOACTIVITY ^{209}Rn(EC); measured Eγ, Iγ, polarization and relaxation. JOUR NIMAE 579 472

A=210

^{210}Pb	2007ES06	NUCLEAR REACTIONS ^{208}Pb(^{6}He, α), E=14, 16, 18, 22 MeV; measured Eα, Iα, σ(E, θ); deduced reaction mechanism features using DWBA analysis. JOUR NUPAB 792 2
^{210}Bi	2007BIZY	NUCLEAR REACTIONS ^{209}Bi(n, γ), E=spectrum; measured cross section. CONF Geneva(NIC-IX) 077
	2007ST08	NUCLEAR REACTIONS ^{209}Bi(n, γ)^{210m}Bi, E=thermal; measured cross section using accelerator mass spectrometry. JOUR NIMBE 259 739
^{210}Po	2006PE37	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{196}Au / ^{198}Au / ^{199}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR PPNLA 3 362
	2007BO22	RADIOACTIVITY ^{210}Po(α); measured Eα, Eγ, $\alpha\gamma$-coinc. Deduced differential bremsstrahlung emission probability. JOUR PRLTA 99 022505
	2007BOZZ	RADIOACTIVITY ^{210}Po(α); measured Eγ, Iγ, $\alpha\gamma$-coinc for bremsstrahlung photons. Deduced differential emission probability.and angular correlations PREPRINT arXiv:0706.2109v1 [nucl-ex]
	2007PE02	NUCLEAR REACTIONS ^{197}Au(^{6}He, 2n), (^{6}He, 3n), (^{6}He, 4n), (^{6}He, 5n), (^{6}He, 6n), (^{6}He, 7n), E $\approx$ 10-70 MeV; ^{206}Pb(^{6}He, 2n), E $\approx$ 10-26 MeV; ^{197}Au(^{6}He, X)^{194}Au / ^{196}Au / ^{198}Au, E $\approx$ 10-70 MeV; measured excitation functions. Comparison with model predictions. JOUR ZAANE 31 185

A=210 *(continued)*

	2007RA22	RADIOACTIVITY ^{210}Po(α); measured Eα, Iα, $T_{1/2}$ as a function of temperature by implanting Po ions in cooled metallic copper. JOUR ZAANE 32 51
^{210}Rn	2006KU26	RADIOACTIVITY ^{213,213m,214,214m}Ra(α) [from ^{170}Er(^{48}Ca, xn), (^{50}Ti, 3n) and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin, $T_{1/2}$. ^{209,210}Rn deduced levels, J, π, ICC. Velocity filter. JOUR ZAANE 30 551

A=211

^{211}Po	2006GA40	NUCLEAR REACTIONS ^{209}Bi(^{6}Li, X)^{212}At, E=28-48 MeV; ^{209}Bi(^{7}Li, X)^{212}At / ^{211}Po, E=26-52 MeV; ^{208}Pb(^{9}Be, X)^{211}Po, E=36-51 MeV; measured ground and isomeric state σ; deduced angular momentum distribution, related reaction mechanism features. JOUR PRVCA 74 064615
^{211}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303

A=212

^{212}At	2006GA40	NUCLEAR REACTIONS ^{209}Bi(^{6}Li, X)^{212}At, E=28-48 MeV; ^{209}Bi(^{7}Li, X)^{212}At / ^{211}Po, E=26-52 MeV; ^{208}Pb(^{9}Be, X)^{211}Po, E=36-51 MeV; measured ground and isomeric state σ; deduced angular momentum distribution, related reaction mechanism features. JOUR PRVCA 74 064615

A=213

^{213}Ra	2006KU26	RADIOACTIVITY ^{213,213m,214,214m}Ra(α) [from ^{170}Er(^{48}Ca, xn), (^{50}Ti, 3n) and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin, $T_{1/2}$. ^{209,210}Rn deduced levels, J, π, ICC. Velocity filter. JOUR ZAANE 30 551
^{213}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303

A=214

^{214}Ra	2006KU26	RADIOACTIVITY ^{213,213m,214,214m}Ra(α) [from ^{170}Er(^{48}Ca, xn), (^{50}Ti, 3n) and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin, $T_{1/2}$. ^{209,210}Rn deduced levels, J, π, ICC. Velocity filter. JOUR ZAANE 30 551

A=214 *(continued)*

^{214}Th	2007LE14	RADIOACTIVITY ^{218,219}U(α) [from ^{182}W(^{40}Ar, X)]; measured Eα, $T_{1/2}$. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307

A=215

^{215}Rn	2007DEZV	NUCLEAR REACTIONS ^{207}Pb(^{18}O, 2n2α), E=93 MeV; measured Eγ, Eα, $\gamma\gamma\alpha$ coincidences. ^{215}Rn deduced high spin states, octupole instability. GASP, ISIS arrays. CONF Iguazu(Nuclear Physics and Applications) Proc,P450,Debray
^{215}Th	2007LE14	RADIOACTIVITY ^{218,219}U(α) [from ^{182}W(^{40}Ar, X)]; measured Eα, $T_{1/2}$. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307

A=216

No references found

A=217

^{217}At	2007JE07	RADIOACTIVITY ^{221}Fr(α); measured Eα, Iα, $T_{1/2}$ implanted in a number of materials. JOUR ZAANE 32 31
^{217}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303

A=218

^{218}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303
^{218}U	2007LE14	RADIOACTIVITY ^{218,219}U(α) [from ^{182}W(^{40}Ar, X)]; measured Eα, $T_{1/2}$. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307

A=219

^{219}Th	2007RE14	NUCLEAR REACTIONS ^{198}Pt(^{26}Mg, X)^{224}Th, E=128 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{219,220}Th deduced levels, J, π. JOUR APOBB 38 1547
^{219}U	2007LE14	RADIOACTIVITY ^{218,219}U(α) [from ^{182}W(^{40}Ar, X)]; measured Eα, $T_{1/2}$. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307

A=220

^{220}Th	2007RE14	NUCLEAR REACTIONS ^{198}Pt(^{26}Mg, X)^{224}Th, E=128 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{219,220}Th deduced levels, J, π. JOUR APOBB 38 1547

A=221

^{221}Fr	2007JE07	RADIOACTIVITY ^{221}Fr(α); measured Eα, Iα, $T_{1/2}$ implanted in a number of materials. JOUR ZAANE 32 31

A=222

^{222}Rn	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

A=223

No references found

A=224

^{224}Th	2007RE14	NUCLEAR REACTIONS ^{198}Pt(^{26}Mg, X)^{224}Th, E=128 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{219,220}Th deduced levels, J, π. JOUR APOBB 38 1547

A=225

^{225}Ra	2007GU05	NUCLEAR MOMENTS ^{225}Ra; measured hfs. Laser trapping. JOUR PRLTA 98 093001

A=226

^{226}Ra	2007YA02	RADIOACTIVITY ^{51}Cr, ^{55}Fe, ^{67}Ga, ^{111}In, ^{133}Ba, ^{201}Tl(EC); ^{99m}Tc(IT), (β^-); ^{131}I, ^{133}Xe, ^{137}Cs(β^-); ^{226}Ra(α); measured K X-ray intensity ratios following decay and photoionization. JOUR NIMBE 254 182

A=227

No references found

A=228

No references found

A=229

^{229}Th 2007BE16 RADIOACTIVITY ^{233}U(α); measured Eγ, Iγ. ^{229}Th deduced excited state energy. JOUR PRLTA 98 142501

A=230

No references found

A=231

^{231}Th 2007SH15 NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307

A=232

No references found

A=233

^{233}Th 2007NE11 NUCLEAR REACTIONS ^{232}Th(n, γ), E=1.3-1.8 MeV; measured Eγ, Iγ from fission fragments. Deduced fission fragment yields. JOUR ZAANE 32 165

2007NE11 RADIOACTIVITY ^{233}Th; measured Eγ, Iγ from fission fragments. Deduced evidence for existence of hyperdeformed octupole shapes. JOUR ZAANE 32 165

2007SH15 NUCLEAR REACTIONS ^{232}Th(n, γ), (n, 2n), ^{197}Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ^{59}Co(n, α), (n, 2n), (n, 4n), (n, 5n), ^{181}Ta(n, γ), (n, 2n), (n, 4n), (n, 5n), (n, np), E=spectrum; measured spectrum-averaged σ. Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307

^{233}Pa 2006HA53 RADIOACTIVITY ^{233}Pa, ^{238}Np(β^-); measured Eγ, Iγ; deduced γ-ray emission probabilities. JOUR JNSTA 43 1289

^{233}U 2006HA53 RADIOACTIVITY ^{233}Pa, ^{238}Np(β^-); measured Eγ, Iγ; deduced γ-ray emission probabilities. JOUR JNSTA 43 1289

2007BE16 RADIOACTIVITY ^{233}U(α); measured Eγ, Iγ. ^{229}Th deduced excited state energy. JOUR PRLTA 98 142501

A=234

No references found

A=235

^{235}U	2007OB02	NUCLEAR REACTIONS ^{234}U(n, γ)^{235}U, E=0.95, 1.27 MeV; measured delayed fission fragment spectra from the decay of the shape isomer, isomeric fission $T_{1/2}$ and cross section. JOUR PRLTA 99 042502

A=236

^{236}Th	2007IS09	NUCLEAR REACTIONS ^{238}U(^{18}O, ^{20}Ne), E=200 MeV; ^{244}Pu(^{16}O, ^{20}Ne), E=162 MeV; measured Eγ, Iγ, (particle)γ-coinc. ^{236}Th, ^{242}U deduced levels, J, π. JOUR PRVCA 76 011303
	2007XU04	NUCLEAR REACTIONS ^{238}U(^{18}O, ^{20}Ne), E=60 MeV / nucleon; measured Eγ, Iγ; deduced σ. JOUR JRNCD 272 227
^{236}U	2007AH05	RADIOACTIVITY ^{244}Cm, ^{240}Pu(α); measured Eα, Iα and $T_{1/2}$. JOUR NIMAE 579 458
	2007BR16	NUCLEAR REACTIONS ^{235}U, ^{252}Cf(n, γ), (n, X), E $<$ 18 eV; measured Eγ, Iγ, fission fragments. Deduced cross sections. JOUR NIMBE 261 986

A=237

No references found

A=238

^{238}Np	2006HA53	RADIOACTIVITY ^{233}Pa, ^{238}Np(β^-); measured Eγ, Iγ; deduced γ-ray emission probabilities. JOUR JNSTA 43 1289
	2006HA53	NUCLEAR REACTIONS ^{237}Np(n, γ), E=thermal; analyzed decay data; deduced thermal capture σ. JOUR JNSTA 43 1289
^{238}Pu	2006HA53	RADIOACTIVITY ^{233}Pa, ^{238}Np(β^-); measured Eγ, Iγ; deduced γ-ray emission probabilities. JOUR JNSTA 43 1289
^{238}Cm	2006QIZZ	NUCLEAR REACTIONS ^{232}Th(^{12}C, 4n), (^{12}C, 6n), E=70, 74 MeV; measured delayed Eα. ^{239}Cm deduced upper limit on α-decay branching ratio. REPT GSI 2006-1,P197,Qin

A=239

^{239}Np	2007AG02	RADIOACTIVITY ^{243}Am(α); measured Eα, $T_{1/2}$. Relative activity method. JOUR NIMAE 571 663

A=239 *(continued)*

^{239}Cm	2006QIZZ	NUCLEAR REACTIONS ^{232}Th(^{12}C, 4n), (^{12}C, 6n), E=70, 74 MeV; measured delayed Eα. ^{239}Cm deduced upper limit on α-decay branching ratio. REPT GSI 2006-1,P197,Qin

A=240

^{240}U	2006AG15	RADIOACTIVITY ^{244}Pu(α); measured Eα, T$_{1/2}$. Thermal ionization mass spectrometry, relative activity method. JOUR RAACA 94 397
	2007IS09	NUCLEAR REACTIONS ^{238}U(^{18}O, ^{20}Ne), E=200 MeV; ^{244}Pu(^{16}O, ^{20}Ne), E=162 MeV; measured Eγ, Iγ, (particle)γ-coinc. ^{236}Th, ^{242}U deduced levels, J, π. JOUR PRVCA 76 011303
	2007IS11	NUCLEAR REACTIONS U(^{18}O, ^{16}O)^{240}U, E=200 MeV; ^{244}Pu(^{18}O, ^{16}O)^{246}Pu, E=200 MeV; ^{248}Cm(^{18}O, ^{16}O), e=200 meV; measured Eγ, Iγ, (particle)γ-coinc. ^{240}U, ^{246}Pu, ^{250}Cm deduced levels, J, π, moments of inertia. JOUR PANUE 70 1457
^{240}Pu	2007AH05	RADIOACTIVITY ^{244}Cm, ^{240}Pu(α); measured Eα, Iα and T$_{1/2}$. JOUR NIMAE 579 458
	2007BU19	RADIOACTIVITY ^{240}Pu(SF); measured Eγ, Iγ from fission products. Deduced fission product yields. JOUR AENGA 102 232
^{240}Am	2007PE07	NUCLEAR REACTIONS ^{241}Am(n, 2n), E=8.8-11.1 MeV; measured σ. Activation method. Comparison with model predictions, previous results. JOUR JRNCD 272 223
^{240}Cm	2006QIZZ	NUCLEAR REACTIONS ^{232}Th(^{12}C, 4n), (^{12}C, 6n), E=70, 74 MeV; measured delayed Eα. ^{239}Cm deduced upper limit on α-decay branching ratio. REPT GSI 2006-1,P197,Qin
^{240}Cf	2007HI04	NUCLEAR REACTIONS ^{208}Pb(^{32}S, X)^{240}Cf, ^{206}Pb(^{34}S, X)^{240}Cf, ^{204}Pb(^{36}S, X)^{240}Cf, E=152-212 MeV; measured σ, fusion excitation functions, fission anisotropies. Deduced fusion barried energy systematics. JOUR PRVCA 75 054603

A=241

No references found

A=242

^{242}U	2007IS09	NUCLEAR REACTIONS ^{238}U(^{18}O, ^{20}Ne), E=200 MeV; ^{244}Pu(^{16}O, ^{20}Ne), E=162 MeV; measured Eγ, Iγ, (particle)γ-coinc. ^{236}Th, ^{242}U deduced levels, J, π. JOUR PRVCA 76 011303
^{242}Pu	2007KO01	RADIOACTIVITY ^{246}Cm, ^{250}Cf(α); measured Eα, Iα, T$_{1/2}$; deduced α-emission probabilities. Comparison with previous results. JOUR ARISE 65 335

A=243

^{243}Am	2007AG02	RADIOACTIVITY ^{243}Am(α); measured Eα, T$_{1/2}$. Relative activity method. JOUR NIMAE 571 663
^{243}Cf	2006HE27	RADIOACTIVITY ^{255}Rf, ^{251}No, ^{247}Fm(α) [from ^{207}Pb(^{50}Ti, 2n), ^{206}Pb(^{48}Ca, 3n), and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin. ^{243}Cf, ^{247}Fm, ^{251}No deduced levels, J, π, ICC, isomeric states features. Velocity filter. JOUR ZAANE 30 561

A=244

^{244}Pu	2006AG15	RADIOACTIVITY ^{244}Pu(α); measured Eα, T$_{1/2}$. Thermal ionization mass spectrometry, relative activity method. JOUR RAACA 94 397
^{244}Am	2006OH06	NUCLEAR REACTIONS ^{243}Am(n, γ), E=thermal; measured effective capture σ. Activation technique, comparison with previous results. JOUR JNSTA 43 1441
^{244}Cm	2007AH05	RADIOACTIVITY ^{244}Cm, ^{240}Pu(α); measured Eα, Iα and T$_{1/2}$. JOUR NIMAE 579 458

A=245

^{245}Fm	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81

A=246

^{246}Pu	2007IS11	NUCLEAR REACTIONS U(^{18}O, ^{16}O)^{240}U, E=200 MeV; ^{244}Pu(^{18}O, ^{16}O)^{246}Pu, E=200 MeV; ^{248}Cm(^{18}O, ^{16}O), e=200 meV; measured Eγ, Iγ, (particle)γ-coinc. ^{240}U, ^{246}Pu, ^{250}Cm deduced levels, J, π, moments of inertia. JOUR PANUE 70 1457
^{246}Cm	2007KO01	RADIOACTIVITY ^{246}Cm, ^{250}Cf(α); measured Eα, Iα, T$_{1/2}$; deduced α-emission probabilities. Comparison with previous results. JOUR ARISE 65 335

A=247

^{247}Fm	2006HE27	RADIOACTIVITY ^{255}Rf, ^{251}No, ^{247}Fm(α) [from ^{207}Pb(^{50}Ti, 2n), ^{206}Pb(^{48}Ca, 3n), and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin. ^{243}Cf, ^{247}Fm, ^{251}No deduced levels, J, π, ICC, isomeric states features. Velocity filter. JOUR ZAANE 30 561

A=248

^{248}Cm	2006PI14	RADIOACTIVITY ^{248}Cm(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{105}Mo deduced levels, J, π, rotational bands, configurations, triaxial deformation. Eurogam2 array. JOUR PRVCA 74 064304

A=249

^{249}Bk	2007SE08	RADIOACTIVITY ^{253}Es(α); measured T$_{1/2}$ at low temperatures. JOUR PRVCA 76 024304
^{249}Fm	2007LO11	RADIOACTIVITY ^{253}No(α) [from ^{207}Bi(^{48}Ca, 2n) and subsequent decay]; measured Eα, Eγ, E(ce), $\alpha\gamma$-, α(ce)-coin, T$_{1/2}$. ^{253}No deduced levels, J, π, configurations. JOUR ZAANE 32 245

A=250

^{250}Cm	2006IS07	NUCLEAR REACTIONS ^{248}Cm(^{18}O, ^{16}O), E=162 MeV; measured Eγ, Iγ, (particle)γ-coin. ^{250}Cm deduced levels, J, π. JOUR JUPSA 75 043201
	2007IS11	NUCLEAR REACTIONS U(^{18}O, ^{16}O)^{240}U, E=200 MeV; ^{244}Pu(^{18}O, ^{16}O)^{246}Pu, E=200 MeV; ^{248}Cm(^{18}O, ^{16}O), e=200 meV; measured Eγ, Iγ, (particle)γ-coinc. ^{240}U, ^{246}Pu, ^{250}Cm deduced levels, J, π, moments of inertia. JOUR PANUE 70 1457
^{250}Bk	2006GU32	RADIOACTIVITY ^{254}Es(α); ^{250}Bk(β^-); measured Eα, Eγ, angular distribution for decay from oriented sources. JOUR BRSPE 70 282
^{250}Cf	2006GU32	RADIOACTIVITY ^{254}Es(α); ^{250}Bk(β^-); measured Eα, Eγ, angular distribution for decay from oriented sources. JOUR BRSPE 70 282
	2007KO01	RADIOACTIVITY ^{246}Cm, ^{250}Cf(α); measured Eα, Iα, T$_{1/2}$; deduced α-emission probabilities. Comparison with previous results. JOUR ARISE 65 335

A=251

^{251}Md	2007CH26	NUCLEAR REACTIONS ^{205}Tl(^{48}Ca, 2n), E=211, 214, 217 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (recoil)γ-coin; deduced σ. ^{251}Md deduced high-spin levels, J, π, configurations. Jurogam array, recoil-decay tagging. JOUR PRLTA 98 132503
^{251}No	2006HE27	RADIOACTIVITY ^{255}Rf, ^{251}No, ^{247}Fm(α) [from ^{207}Pb(^{50}Ti, 2n), ^{206}Pb(^{48}Ca, 3n), and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin. ^{243}Cf, ^{247}Fm, ^{251}No deduced levels, J, π, ICC, isomeric states features. Velocity filter. JOUR ZAANE 30 561
	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=252

^{252}Cf	2007DI09	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-conic using the Gammasphere array. ^{108}Mo deduced level energies, J, π. JOUR CPLEE 24 1517
	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007GR08	RADIOACTIVITY ^{252}Cf(SF); measured fission fragment energy distributions using a hybrid semiconductor detector. JOUR NIMAE 574 472
	2007LI21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{137,138}Cs deduced high-spin levels, J, π, configurations. Gammasphere array, comparison with shell model predictions. JOUR PRVCA 75 044314
	2007PRZZ	RADIOACTIVITY ^{252}Cf(SF); measured neutron energies and correlations. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P179
	2007ZH24	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma\gamma$-coinc with Gammasphere. A=99-114; deduced new band structures and significant extensions of previously known bands. JOUR PPNPD 59 329
^{252}No	2006SUZW	NUCLEAR REACTIONS ^{206,208}Pb(^{48}Ca, 2n), E not given; measured prompt and delayed Eγ, Iγ, (X-ray)γ-coin. ^{252}No deduced levels, J, π, isomeric states $T_{1/2}$. REPT GSI 2006-1,P194,Sulignano
	2007SU19	NUCLEAR REACTIONS ^{206}Pb(^{48}Ca, 2n)^{252}No, E(cm)=173.6-177 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{252}No deduced levels, J, π. JOUR ZAANE 33 327

A=253

^{253}Cf	2007BR16	NUCLEAR REACTIONS ^{235}U, ^{252}Cf(n, γ), (n, X), E < 18 eV; measured Eγ, Iγ, fission fragments. Deduced cross sections. JOUR NIMBE 261 986
^{253}Es	2007SE08	RADIOACTIVITY ^{253}Es(α); measured $T_{1/2}$ at low temperatures. JOUR PRVCA 76 024304
^{253}No	2007LO11	NUCLEAR REACTIONS ^{207}Pb(^{48}Ca, 2n), E$\sim$217 MeV; measured Eα, Eγ, E(ce) with the Gabriela detector. ^{253}No deduced levels, J, π, configurations. JOUR ZAANE 32 245
	2007LO11	RADIOACTIVITY ^{253}No(α) [from ^{207}Bi(^{48}Ca, 2n) and subsequent decay]; measured Eα, Eγ, E(ce), $\alpha\gamma$-, α(ce)-coin, $T_{1/2}$. ^{253}No deduced levels, J, π, configurations. JOUR ZAANE 32 245

A=254

^{254}Es	2006GU32	RADIOACTIVITY ^{254}Es(α); ^{250}Bk(β^-); measured Eα, Eγ, angular distribution for decay from oriented sources. JOUR BRSPE 70 282
^{254}No	2006SUZW	NUCLEAR REACTIONS ^{206,208}Pb(^{48}Ca, 2n), E not given; measured prompt and delayed Eγ, Iγ, (X-ray)γ-coin. ^{252}No deduced levels, J, π, isomeric states $T_{1/2}$. REPT GSI 2006-1,P194,Sulignano

A=255

^{255}No	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81
	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{255}Lr	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{255}Rf	2006HE27	RADIOACTIVITY ^{255}Rf, ^{251}No, ^{247}Fm(α) [from ^{207}Pb(^{50}Ti, 2n), ^{206}Pb(^{48}Ca, 3n), and subsequent decay]; measured Eγ, Eα, $\alpha\gamma$-, $\gamma\gamma$-coin. ^{243}Cf, ^{247}Fm, ^{251}No deduced levels, J, π, ICC, isomeric states features. Velocity filter. JOUR ZAANE 30 561
	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=256

^{256}Lr	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=257

^{257}Rf	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=258

^{258}Db	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=259

^{259}Db	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=260

No references found

A=261

^{261}Rf	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81
	2007MO09	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. Gas-filled separator. JOUR JUPSA 76 043201
	2007MOZZ	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-2,Morita
^{261}Sg	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
	2007ST12	NUCLEAR REACTIONS ^{208}Pb(^{54}Cr, X)^{261}sg, e=4.70-5.17 MeV / nucleon; measured Eγ, EX, Eα, $\alpha\gamma$-coinc. ^{261}Sg deduced levels, J, π. JOUR APOBB 38 1561

A=262

^{262}Lr	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{262}Rf	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{262}Db	2007MOZY	RADIOACTIVITY ^{278}113, ^{274}Rg, ^{270}Mt, ^{266}Bh(α) [from ^{209}Bi(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-3,Morita
^{262}Bh	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=263

^{263}Lr	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=264

^{264}Lr	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{264}Hs	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=265

^{265}Rf 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

^{265}Sg 2007MO09 RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. Gas-filled separator. JOUR JUPSA 76 043201

2007MOZZ RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-2,Morita

^{265}Hs 2007OG05 NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=266

^{266}Db 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

^{266}Sg 2007OG05 NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

^{266}Bh 2007MOZY RADIOACTIVITY ^{278}113, ^{274}Rg, ^{270}Mt, ^{266}Bh(α) [from ^{209}Bi(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-3,Morita

^{266}Mt 2007OG05 NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=267

^{267}Rf	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{267}Db	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{267}Hs	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=268

^{268}Db	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{268}Mt	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=269

^{269}Sg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{269}Hs	2007MO09	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. Gas-filled separator. JOUR JUPSA 76 043201

A=269 ***(continued)***

	2007MOZZ	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-2,Morita
^{269}Ds	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=270

^{270}Bh	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{270}Hs	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{270}Mt	2007MOZY	RADIOACTIVITY ^{278}113, ^{274}Rg, ^{270}Mt, ^{266}Bh(α) [from ^{209}Bi(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-3,Morita
^{270}Rg	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=271

^{271}Sg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=271 *(continued)*

^{271}Bh	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{271}Ds	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=272

^{272}Bh	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{272}Rg	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=273

^{273}Ds	2007MO09	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. Gas-filled separator. JOUR JUPSA 76 043201
	2007MOZZ	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-2,Morita

A=274

^{274}Mt	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{274}Rg	2007MOZY	RADIOACTIVITY ^{278}113, ^{274}Rg, ^{270}Mt, ^{266}Bh(α) [from ^{209}Bi(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-3,Morita

A=275

^{275}Hs	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{275}Mt	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{275}Ds	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=276

^{276}Mt	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{276}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=277

^{277}Hs	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{277}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{277}112	2007MO09	NUCLEAR REACTIONS ^{208}Pb(^{70}Zn, n), E=349.5 MeV; measured delayed Eα, $\alpha\alpha$-, (recoil)α-coin; deduced production σ. Gas-filled separator. JOUR JUPSA 76 043201
	2007MO09	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. Gas-filled separator. JOUR JUPSA 76 043201
	2007MOZZ	NUCLEAR REACTIONS ^{208}Pb(^{70}Zn, n), E=349.5 MeV; measured delayed Eα, $\alpha\alpha$-, (recoil)α-coin; deduced production σ. REPT RIKEN-NC-NP-2,Morita
	2007MOZZ	RADIOACTIVITY ^{277}112, ^{273}Ds, ^{269}Hs, ^{265}Sg(α) [from ^{208}Pb(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-2,Morita
	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=278

^{278}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{278}113	2007MOZY	NUCLEAR REACTIONS ^{209}Bi(^{70}Zn, n), E=353 MeV; measured delayed Eα, $\alpha\alpha$-, (recoil)α-coin; deduced production σ. REPT RIKEN-NC-NP-3,Morita
	2007MOZY	RADIOACTIVITY ^{278}113, ^{274}Rg, ^{270}Mt, ^{266}Bh(α) [from ^{209}Bi(^{70}Zn, n) and subsequent decay]; measured Eα, $T_{1/2}$. REPT RIKEN-NC-NP-3,Morita

A=278 *(continued)*

	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=279

^{279}Ds	2007EI02	RADIOACTIVITY ^{283}112(α); ^{287}114(α), (SF); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 373c
	2007HO18	RADIOACTIVITY ^{283}112(α), (SF) [from ^{238}U(^{48}Ca, X)]; measured Eα, (recoil)α-coin, $T_{1/2}$. JOUR ZAANE 32 251
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{279}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{279}112	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=280

^{280}Ds	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{280}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=280 *(continued)*

	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{280}113	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{280}114	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=281

^{281}Ds	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{281}113	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=282

^{282}112	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{282}113	2007OG02	NUCLEAR REACTIONS ^{237}Np(^{48}Ca, 3n)^{282}113, E=244 MeV; measured Eα, production cross section and $T_{1/2}$. JOUR PRVCA 76 011601

A=282 *(continued)*

	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=283

^{283}112	2006EI01	NUCLEAR REACTIONS ^{238}U(^{48}Ca, X), E=231, 235 MeV; measured delayed fission, Eα, (fission)α-coin; deduced no evidence for ^{283}112. Thermochromatography. JOUR RAACA 94 181
	2006HOZX	NUCLEAR REACTIONS ^{238}U(^{48}Ca, X), E=233-239 MeV; measured delayed fission fragment spectra; deduced evidence for ^{283}112. REPT GSI 2006-1,P191,Hofmann
	2007EI02	NUCLEAR REACTIONS ^{238}U(^{48}Ca, 3n), ^{242}Pu(^{48}Ca, 3n), E=237 MeV; measured super heavy element yield, Eα, Iα; analyzed production σ. JOUR NUPAB 787 373c
	2007EI02	RADIOACTIVITY ^{283}112(α); ^{287}114(α), (SF); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 373c
	2007HO18	RADIOACTIVITY ^{283}112(α), (SF) [from ^{238}U(^{48}Ca, X)]; measured Eα, (recoil)α-coin, $T_{1/2}$. JOUR ZAANE 32 251
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	NUCLEAR REACTIONS ^{238}U(^{48}Ca, 3n), E=247 MeV; measured super heavy element yield, Eα, Iα; analyzed production σ. Detailed chemical analysis procedure given. JOUR NUPAB 787 388c
^{283}113	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=284

^{284}112	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=284 *(continued)*

^{284}113	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c

A=285

^{285}112	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=286

^{286}112	2007HO18	NUCLEAR REACTIONS ^{238}U(^{48}Ca, X), E=233.3-239.3 MeV; measured σ, Eα, (recoil)α-coin following residual nucleus decay; deduced evidence for ^{286}112. JOUR ZAANE 32 251
^{286}114	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=287

^{287}114	2007EI02	NUCLEAR REACTIONS ^{238}U(^{48}Ca, 3n), ^{242}Pu(^{48}Ca, 3n), E=237 MeV; measured super heavy element yield, Eα, Iα; analyzed production σ. JOUR NUPAB 787 373c
	2007EI02	RADIOACTIVITY ^{283}112(α); ^{287}114(α), (SF); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 373c
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=287 *(continued)*

^{287}115	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=288

^{288}114	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{288}115	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c

A=289

^{289}114	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=290

$^{290}116$ 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, T$_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured T$_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=291

$^{291}116$ 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, T$_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured T$_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=292

$^{292}116$ 2007OG05 NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, T$_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured T$_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=293

$^{293}116$ 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, T$_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured T$_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

$^{293}118$ 2007OG05 NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=294

$^{294}118$	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, T$_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured T$_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

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