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This document lists experimental references added to Nuclear Science References (NSR) during the period April 1, 2007 to June 30, 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

A=1

- ^1n 2007AL22 NUCLEAR REACTIONS $^1\text{H}(^2\text{H}(\text{polarized } e, e'), (\text{polarized } e, e'p), (\text{polarized } e, e'n), (\text{polarized } e, e'\pi), E=850 \text{ MeV}; \text{ measured particle spectra, asymmetries. } ^1\text{n}, ^1\text{H}; \text{ deduced electric and magnetic form factors. Polarized targets. JOUR ZAANE 31 588}$
- 2007AN08 NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e'), E=0.778, 1.727 \text{ GeV}; \text{ measured quasielastic transverse asymmetry. } ^1\text{n} \text{ deduced magnetic form factor. Polarized target, nonrelativistic Fadeev calculation. JOUR PRVCA 75 034003}$
- 2007AN11 NUCLEAR REACTIONS $^1\text{H}, ^4\text{He}(\text{polarized } e, e), E \text{ not given}; \text{ measured parity-violating electroweak asymmetry. } ^1\text{n}, ^1\text{H}; \text{ deduced strange quark contributions to the nucleon electromagnetic form factors. JOUR ZAANE 31 597}$
- 2007FR07 NUCLEAR REACTIONS $^2\text{H}, ^6\text{Li}(\text{polarized } \mu, \mu'), E \text{ at } 160 \text{ GeV} / c; \text{ measured scattering asymmetries. } ^1\text{n}, ^1\text{H}; \text{ deduced spin structure. JOUR ZAANE 31 620}$
- 2007TU02 NUCLEAR REACTIONS $^2\text{H}(p, 2p), E=5 \text{ MeV}; \text{ measured cross sections. Analyzed data using the Trojan Horse Method to deduce off-energy shell effects on p-p scattering. JOUR PRLTA 98 252502}$
- 2007TY02 NUCLEAR REACTIONS $^1\text{H}(e, e'\pi^+), (e, e'X), E=27.6 \text{ GeV}; \text{ measured pion, pion pair, and } \rho^0 \sigma(Q^2). \text{ JOUR ZAANE 31 451}$
- ^1H 2007AL22 NUCLEAR REACTIONS $^1\text{H}(^2\text{H}(\text{polarized } e, e'), (\text{polarized } e, e'p), (\text{polarized } e, e'n), (\text{polarized } e, e'\pi), E=850 \text{ MeV}; \text{ measured particle spectra, asymmetries. } ^1\text{n}, ^1\text{H}; \text{ deduced electric and magnetic form factors. Polarized targets. JOUR ZAANE 31 588}$
- 2007AN11 NUCLEAR REACTIONS $^1\text{H}, ^4\text{He}(\text{polarized } e, e), E \text{ not given}; \text{ measured parity-violating electroweak asymmetry. } ^1\text{n}, ^1\text{H}; \text{ deduced strange quark contributions to the nucleon electromagnetic form factors. JOUR ZAANE 31 597}$
- 2007BU05 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } p, p), E(\text{cm})=200 \text{ GeV}; \text{ measured double spin asymmetries. Comparison with theory, polarised target. JOUR PYLBB 647 98}$
- 2007DA14 NUCLEAR REACTIONS $^1\text{H}(\gamma, \gamma'), E=2.34, 3.48, 4.62, 5.75 \text{ GeV} \text{ bremsstrahlung}; \text{ measured Compton scattering } \sigma, \sigma(\theta). \text{ JOUR PRLTA 98 152001}$
- 2007FE08 NUCLEAR REACTIONS $^1\text{H}(e, e'\pi^+\pi^-), E=1.5 \text{ GeV}; \text{ measured cross sections for small photon virtualities using the CLAS detector at TJNAF. JOUR BRSP 71 314}$
- 2007FR07 NUCLEAR REACTIONS $^2\text{H}, ^6\text{Li}(\text{polarized } \mu, \mu'), E \text{ at } 160 \text{ GeV} / c; \text{ measured scattering asymmetries. } ^1\text{n}, ^1\text{H}; \text{ deduced spin structure. JOUR ZAANE 31 620}$
- 2007JA07 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e'\gamma), E=854.6 \text{ MeV}; \text{ measured } E\gamma, \text{ re}^1\text{H} \text{ deduced generalized polarizabilities. JOUR ZAANE 31 610}$
- 2007MA23 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } d, d), E=130, 180 \text{ MeV}; \text{ measured vector and tensor analyzing powers. JOUR ZAANE 31 383}$

A=1 (continued)

- 2007SA14 NUCLEAR REACTIONS $^1\text{H}(n, n'\gamma)$, $E=175\text{-}275$ MeV; measured E_p , E_n , $\sigma(\theta(n), \theta(p), \theta(\gamma))$. Comparison with relativistic soft-photon and nonrelativistic models. JOUR PRVCA 75 031001
- 2007WE03 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e)$, E at 5.755 GeV / c; measured asymmetries. ^1H deduced spin structure functions in resonance region. JOUR PRLTA 98 132003

A=2

- ^2H 2007AL20 NUCLEAR REACTIONS ^2H , $^6\text{Li}(\text{polarized } \mu^+, \mu^+X)$, E at 160 GeV / c; measured longitudinal spin asymmetry. ^2H deduced spin structure function. Comparison with previous results. JOUR PYLBB 647 8
- 2007AL21 NUCLEAR REACTIONS ^2H , $^6\text{Li}(\text{polarized } \mu^+, \mu^+X)$, E at 160 GeV / c; measured longitudinal spin asymmetry. ^2H deduced spin structure function. Comparison with previous results. JOUR PYLBB 647 330
- 2007AL22 NUCLEAR REACTIONS $^{1,2}\text{H}(\text{polarized } e, e')$, $(\text{polarized } e, e'p)$, $(\text{polarized } e, e'n)$, $(\text{polarized } e, e'\pi)$, $E=850$ MeV; measured particle spectra, asymmetries. ^1n , ^1H ; deduced electric and magnetic form factors. Polarized targets. JOUR ZAANE 31 588
- 2007AM03 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } d, p)$, $E=90$ MeV / nucleon; measured cross section, vector and tensor analyzing powers, induced polarization, vector and tensor spin transfer coefficients. JOUR PRVCA 75 041001
- 2007FR07 NUCLEAR REACTIONS ^2H , $^6\text{Li}(\text{polarized } \mu, \mu')$, E at 160 GeV / c; measured scattering asymmetries. ^1n , ^1H ; deduced spin structure. JOUR ZAANE 31 620
- 2007K036 NUCLEAR REACTIONS ^2H , $^6\text{Li}(\text{polarized } \mu, \mu')$, $E=160$ GeV; measured scattering asymmetry. ^2H ; deduced spin dependent structure function. JOUR ZAANE 31 606
- 2007MI15 NUCLEAR REACTIONS $^2\text{H}(d, d)$, $E=231.8$ MeV; measured σ , angular distributions and analyzing powers. Compared results to calculations. JOUR PRVCA 75 054001

A=3

- ^3H 2007AF02 NUCLEAR REACTIONS $^{12}\text{C}(\gamma, p2\alpha)$, $(\gamma, n2\alpha)$, $E < 150$ MeV; measured cross sections and angular distributions. JOUR PANUE 70 839
- 2007HU06 NUCLEAR REACTIONS $^2\text{H}(d, n)$, (d, p) , $E=\text{low}$; measured fusion rates, screening effects for reaction in metals. JOUR NIMBE 256 599
- ^3He 2006AN37 NUCLEAR REACTIONS $^4\text{He}(\pi^+, \pi^+)$, (π^+, π^+') , (π^+, π^+n) , (π^+, π^0p) , (π^-, π^-) , (π^-, π^-') , (π^-, π^-n) , E at 218 MeV / c; measured $\sigma(\theta)$, branching ratios. JOUR NIFBA 121 771
- 2007AF02 NUCLEAR REACTIONS $^{12}\text{C}(\gamma, p2\alpha)$, $(\gamma, n2\alpha)$, $E < 150$ MeV; measured cross sections and angular distributions. JOUR PANUE 70 839

A=3 (continued)

- 2007AN08 NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e')$, $E=0.778, 1.727 \text{ GeV}$; measured quasielastic transverse asymmetry. ^1n deduced magnetic form factor. Polarized target, nonrelativistic Fadeev calculation. JOUR PRVCA 75 034003
- 2007HU06 NUCLEAR REACTIONS $^2\text{H}(\text{d}, \text{n}), (\text{d}, \text{p})$, $E=\text{low}$; measured fusion rates, screening effects for reaction in metals. JOUR NIMBE 256 599
- 2007ME11 NUCLEAR REACTIONS $^1\text{H}(\text{d}, \text{X})^3\text{He}$, E not given; measured σ and asymmetry factor for η production. Searched for $\eta^3\text{He}$ quasibound state. JOUR PRLTA 98 242301
- 2007RY02 NUCLEAR REACTIONS $^4\text{He}(\gamma, \pi^- \text{p})$, $E_\gamma=1.6\text{-}4.5 \text{ GeV}$; $^{12}\text{C}(\text{p}, 2\text{p})$, $E_p=1 \text{ GeV}$; measured σ , compared to model calculations. JOUR ZAANE 31 585

A=4

- ^4He 2006AN37 NUCLEAR REACTIONS $^4\text{He}(\pi^+, \pi^+), (\pi^+, \pi^{+'}), (\pi^+, \pi^+ \text{n}), (\pi^+, \pi^0 \text{p}), (\pi^-, \pi^-), (\pi^-, \pi^{-'}), (\pi^-, \pi^- \text{n})$, E at 218 MeV / c; measured $\sigma(\theta)$, branching ratios. JOUR NIFBA 121 771
- 2007AN11 NUCLEAR REACTIONS $^1\text{H}, ^4\text{He}(\text{polarized } e, e)$, E not given; measured parity-violating electroweak asymmetry. $^1\text{n}, ^1\text{H}$; deduced strange quark contributions to the nucleon electromagnetic form factors. JOUR ZAANE 31 597
- 2007PAZZ NUCLEAR REACTIONS $^4\text{He}(\text{K}^-, \pi^-)$, E at 750 MeV / c; measured lifetime, mesonic and non-mesonic decay rates for $^4_\Lambda\text{He}$ hypernucleus. PREPRINT arXiv:0705.3311v1 [nucl-ex]

A=5

No references found

A=6

- ^6He 2007BE19 NUCLEAR REACTIONS $^{27}\text{Al}(^6\text{He}, ^6\text{He})$, $E=9.5, 11.0, 12.0, 13.4 \text{ MeV}$; measured $\sigma, \sigma(\theta)$. ^6He deduced radius, deformation parameters. $^{27}\text{Al}(^6\text{Li}, ^6\text{Li}), (^7\text{Li}, ^7\text{Li}), (^9\text{Be}, ^9\text{Be}), (^{16}\text{O}, ^{16}\text{O})$, $E \approx 7\text{-}45 \text{ MeV}$; analysed total σ . $^6, ^7\text{Li}, ^9\text{Be}, ^{16}\text{O}$ deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30
- 2007HA13 NUCLEAR REACTIONS $^6\text{Li}(\gamma, \pi^+)$, $E=170\text{-}220 \text{ MeV}$; measured pion spectra, $\sigma(E, \theta)$. Comparison with model predictions, previous results. JOUR PRVCA 75 044311
- 2007K023 NUCLEAR REACTIONS $^{209}\text{Bi}(^6\text{He}, 2\text{n}\alpha)$, $E=22.5 \text{ MeV}$; measured $E_n, E_\alpha, \text{n}\alpha\text{-coin}, \sigma(\theta)$; deduced reaction mechanism features. ^6He level deduced $B(E2)$. JOUR PRVCA 75 031302

A=6 (continued)

- ⁶Li 2007BE19 NUCLEAR REACTIONS ²⁷Al(⁶He, ⁶He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ , $\sigma(\theta)$. ⁶He deduced radius, deformation parameters. ²⁷Al(⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁶O, ¹⁶O), E \approx 7-45 MeV; analysed total σ . ^{6,7}Li, ⁹Be, ¹⁶O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30
- 2007FR07 NUCLEAR REACTIONS ²H, ⁶Li(polarized μ , μ'), E at 160 GeV / c; measured scattering asymmetries. ¹n, ¹H; deduced spin structure. JOUR ZAANE 31 620
- 2007K036 NUCLEAR REACTIONS ²H, ⁶Li(polarized μ , μ'), E=160 GeV; measured scattering asymmetry. ²H; deduced spin dependent structure function. JOUR ZAANE 31 606

A=7

- ⁷Li 2007BE19 NUCLEAR REACTIONS ²⁷Al(⁶He, ⁶He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ , $\sigma(\theta)$. ⁶He deduced radius, deformation parameters. ²⁷Al(⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁶O, ¹⁶O), E \approx 7-45 MeV; analysed total σ . ^{6,7}Li, ⁹Be, ¹⁶O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30
- 2007HA06 NUCLEAR REACTIONS ¹⁰B(n, α), E=0.1-2000 keV; measured E α , $\sigma(E)$, branching ratio for emission to ground, first excited state. JOUR NSENA 156 103
- 2007OH02 RADIOACTIVITY ⁷Be(EC); measured decay rate in C₆₀ at liquid helium temperature. Compared results to model calculations. JOUR PRLTA 98 252501
- ⁷Be 2007C0ZZ NUCLEAR REACTIONS ³He(α , γ), E(cm)=86, 106, 170 keV; measured E γ , I γ and cross section. Deduced s-factor. PREPRINT arXiv:0705.2151v1 [nucl-ex]
- 2007GY01 NUCLEAR REACTIONS ³He(α , γ), E=250, 300, 350, 400 keV; measured E γ , I γ , σ ; deduced astrophysical S-factor. JOUR PRVCA 75 035805
- 2007OH02 RADIOACTIVITY ⁷Be(EC); measured decay rate in C₆₀ at liquid helium temperature. Compared results to model calculations. JOUR PRLTA 98 252501
- 2007TI03 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)⁷Be / ²⁴Na / ⁵⁹Fe / ⁸⁶Rb / ^{101m}Rh / ¹⁷³Lu / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁶Au / ¹⁹⁹Tl / ²⁰⁰Tl / ²⁰³Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

A=8

- ⁸Be 2007GU13 NUCLEAR REACTIONS ⁹Be(⁸Li, ⁸Li), ⁹Be(⁸Li, ⁷Li), ⁹Be(⁸Li, ⁹Li), E=27 MeV; measured σ and angular distributions. Deduced spectroscopic factors, compared results to optical model calculations. JOUR PRVCA 75 054602
- ⁸B 2007YAZY NUCLEAR REACTIONS ¹H(⁷Be, γ), E=53.8 MeV; measured excitation function. CONF Geneva(NIC-IX) 049

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- ⁹Li 2007MAZY RADIOACTIVITY ⁹Li(β^-); measured β -delayed $E\alpha$. ⁹Be; measured breakup of the 2.43 state. CONF Geneva(NIC-IX) 135
- ⁹Be 2007BE19 NUCLEAR REACTIONS ²⁷Al(⁶He, ⁶He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ , $\sigma(\theta)$. ⁶He deduced radius, deformation parameters. ²⁷Al(⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁶O, ¹⁶O), E \approx 7-45 MeV; analysed total σ . ^{6,7}Li, ⁹Be, ¹⁶O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30
- 2007CH39 NUCLEAR REACTIONS ⁹Be(¹⁰C, ¹⁰C), E=10.7 MeV / nucleon; measured E_p , $E\alpha$, $2p2\alpha$ decay of the excited states; ¹⁰C; deduced level energies and intrinsic widths for particle unbound states. JOUR PRVCA 75 051304
- 2007GU13 NUCLEAR REACTIONS ⁹Be(⁸Li, ⁸Li), ⁹Be(⁸Li, ⁷Li), ⁹Be(⁸Li, ⁹Li), E=27 MeV; measured σ and angular distributions. Deduced spectroscopic factors, compared results to optical model calculations. JOUR PRVCA 75 054602
- 2007MAZY RADIOACTIVITY ⁹Li(β^-); measured β -delayed $E\alpha$. ⁹Be; measured breakup of the 2.43 state. CONF Geneva(NIC-IX) 135
- 2007PA21 NUCLEAR REACTIONS ⁹Be(⁶Li, ⁶Li'), E=60 MeV; measured $E\alpha$, $I\alpha$, $\alpha\alpha$ -coin, angular correlations following break-up. ⁹Be deduced excited state partial decay widths, branching ratios. Astrophysical implications discussed. JOUR PRVCA 75 045803

A=10

- ¹⁰Be 2007B018 NUCLEAR REACTIONS ¹²C(¹²C, ¹⁴O), E=211.4 MeV; measured σ and angular distributions. Deduced level energies, J, π . JOUR PRVCA 75 054604
- 2007GU13 NUCLEAR REACTIONS ⁹Be(⁸Li, ⁸Li), ⁹Be(⁸Li, ⁷Li), ⁹Be(⁸Li, ⁹Li), E=27 MeV; measured σ and angular distributions. Deduced spectroscopic factors, compared results to optical model calculations. JOUR PRVCA 75 054602
- 2007S006 NUCLEAR REACTIONS ¹⁰B(n, p), E=70240 MeV; measured $\sigma(E, \theta)$. Comparison with zero- and finite-range DWIA predictions. JOUR PRVCA 75 034611
- ¹⁰C 2007CH39 NUCLEAR REACTIONS ⁹Be(¹⁰C, ¹⁰C), E=10.7 MeV / nucleon; measured E_p , $E\alpha$, $2p2\alpha$ decay of the excited states; ¹⁰C; deduced level energies and intrinsic widths for particle unbound states. JOUR PRVCA 75 051304

A=11

- ¹¹Li 2006SA52 NUCLEAR MOMENTS ¹¹Li; measured optical isotope shift; deduced charge radius. Laser spectroscopy. JOUR HYIND 171 181
- ¹¹B 2007RY02 NUCLEAR REACTIONS ⁴He(γ , π^-p), $E\gamma=1.6-4.5$ GeV; ¹²C(p, 2p), $E_p=1$ GeV; measured σ , compared to model calculations. JOUR ZAANE 31 585

A=12

^{12}Be	2007SHZY	RADIOACTIVITY $^{12}\text{Be(IT)}$; measured $E\gamma$, $I\gamma$ and lifetimes; deduced level energy, $B(E2)$, $B(E0)$. REPT CNS-REP-71
^{12}B	2007IOZY	error - unable to convert to LaTeX : Illegal close bracket PREPRINT arXiv:0705.3332v1 [nucl-ex]
	2007PEZY	RADIOACTIVITY $^{12}\text{B}(\beta^-)$, $^{12}\text{N}(\beta^+)$; measured branching β -decay ratios. CONF Geneva(NIC-IX) 244
^{12}C	2006LE45	NUCLEAR REACTIONS $^{12}\text{C}(p, p)$, $^{12}\text{C}(p, p\gamma)$ $E=7.5$ MeV; measured σ and angular distributions for ground state and low excited states. JOUR BRSPPE 70 1883
	2007ALZZ	NUCLEAR REACTIONS $^{10}\text{B}(^3\text{He}, p)$, $E=2.45$ MeV; measured excitation spectrum. CONF Geneva(NIC-IX) 067
	2007BL10	NUCLEAR REACTIONS ^{12}C , $^{208}\text{Pb}(n, n)$, $E=96$ MeV; Fe, Pb, U(n, pX), (n, dX), (n, tX), $E=96$ MeV; measured $\sigma(\theta)$. ^{181}Ta , W, ^{197}Au , Pb, $^{208}\text{Pb}(n, F)$, $E=20-200$ MeV; measured fission σ . Cu(n, X) ^{56}Co , $E=50-180$ MeV; measured σ . JOUR PRAMC 68 269
	2007FR05	NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{C}, 3\alpha)$, $E=104, 106$ MeV; measured $E\alpha$, $\alpha\alpha$ -coin, relative velocity spectra; deduced no strong Coulomb repulsion or quantum statistics effects. JOUR JPGPE 34 789
	2007PEZY	RADIOACTIVITY $^{12}\text{B}(\beta^-)$, $^{12}\text{N}(\beta^+)$; measured branching β -decay ratios. CONF Geneva(NIC-IX) 244
^{12}N	2007D0ZZ	NUCLEAR REACTIONS $^{12}\text{C}(\text{polarized } p, n)$, $E=296$ MeV; measured $\sigma(E, \theta=0^\circ)$, polarization transfer observables. PREPRINT arXiv:0704.0670v1 [nucl-ex]
	2007PEZY	RADIOACTIVITY $^{12}\text{B}(\beta^-)$, $^{12}\text{N}(\beta^+)$; measured branching β -decay ratios. CONF Geneva(NIC-IX) 244

A=13

^{13}N	2007LH01	NUCLEAR REACTIONS $^{13}\text{C}(p, n)$, $E=20, 25, 40$ MeV; measured neutron energy, σ and angular distributions. Compared results to existing data and model calculations. JOUR NIMAE 576 371
^{13}O	2007GUZW	NUCLEAR REACTIONS $^{16}\text{O}(^3\text{He}, ^6\text{He})^{13}\text{O}$, $E=79.9$ 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

A=14

^{14}N	2007CH25	NUCLEAR REACTIONS $^{14}\text{N}(\alpha, \gamma)$, $E=1620-1775$ keV; measured $E\gamma$, $I\gamma$; deduced resonance parameters. $^{17}\text{O}(p, \alpha)$, $E=194-204$ keV; measured $E\alpha$, $\sigma(E, \theta)$; deduced resonance energy, strength. Astrophysical implications discussed. JOUR PRVCA 75 035810
	2007NE08	NUCLEAR REACTIONS $^{17}\text{O}(p, \alpha)$, $E=140-210$ keV; measured yields and resonance strength for the 193 keV resonance. JOUR PRVCA 75 055808

A=15

- ¹⁵C 2007B010 NUCLEAR REACTIONS ^{12,14}C(¹²C, ⁹C), E=231 MeV; measured particle spectra, $\sigma(E, \theta)$. ^{15,17}C deduced levels, J, π , configurations. JOUR ZAANE 31 279
- ¹⁵O 2007CHZW NUCLEAR REACTIONS ¹⁸F(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 ¹H(¹⁸F, α), E=8.6-13.8 MeV; measured $E\alpha$ in coincidence with ¹⁵O. ¹⁸F(p, α); deduced cross sections. CONF Geneva(NIC-IX) 005
- 2007IM02 NUCLEAR REACTIONS ¹⁴N(p, γ), E not given; measured cross section at LUNA accelerator facility. JOUR PPNPD 59 193
- 2007TA13 RADIOACTIVITY ¹⁹Ne(α) [from ¹⁹F(³He, t)]; measured $E\alpha$, $I\alpha$. ¹⁵O(α , γ); deduced reaction rate at astrophysical energies. JOUR PRLTA 98 242503

A=16

- ¹⁶O 2007BE19 NUCLEAR REACTIONS ²⁷Al(⁶He, ⁶He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ , $\sigma(\theta)$. ⁶He deduced radius, deformation parameters. ²⁷Al(⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁶O, ¹⁶O), $E\approx 7-45$ MeV; analysed total σ . ^{6,7}Li, ⁹Be, ¹⁶O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30
- 2007COZY NUCLEAR REACTIONS ¹⁹F(p, γ), (p, $\alpha\gamma$), E=200-800 keV; measured yields, resonance parameters and interference terms. CONF Geneva(NIC-IX) 082
- 2007MAZX NUCLEAR REACTIONS ¹²C(α , γ), E(cm)=1.4, 1.6 MeV; measured $E\gamma$, angular distribution from direct α capture. Deduced cross sections. CONF Geneva(NIC-IX) 136
- 2007PEZZ NUCLEAR REACTIONS ¹³C(⁷Li, t), E=28, 34 MeV; measured σ and angular distributions. ¹³C(α , n); deduced $S\alpha$ factor. CONF Geneva(NIC-IX) 161

A=17

- ¹⁷C 2007B010 NUCLEAR REACTIONS ^{12,14}C(¹²C, ⁹C), E=231 MeV; measured particle spectra, $\sigma(E, \theta)$. ^{15,17}C deduced levels, J, π , configurations. JOUR ZAANE 31 279
- ¹⁷O 2007PEZZ NUCLEAR REACTIONS ¹³C(⁷Li, t), E=28, 34 MeV; measured σ and angular distributions. ¹³C(α , n); deduced $S\alpha$ factor. CONF Geneva(NIC-IX) 161

A=18

- ¹⁸N 2007L005 RADIOACTIVITY ¹⁸N(β^-); measured β -delayed neutron spectra. ¹⁸O; deduced level energies, J, π . Deduced B(GT), compared to shell model calculations. JOUR PRVCA 75 057302

A=18 (continued)

- ¹⁸O 2007L005 RADIOACTIVITY ¹⁸N(β^-); measured β -delayed neutron spectra. ¹⁸O; deduced level energies, J, π . Deduced B(GT), compared to shell model calculations. JOUR PRVCA 75 057302
- ¹⁸F 2007CH25 NUCLEAR REACTIONS ¹⁴N(α , γ), E=1620-1775 keV; measured E γ , I γ ; deduced resonance parameters. ¹⁷O(p, α), E=194-204 keV; measured E α , σ (E, θ); deduced resonance energy, strength. Astrophysical implications discussed. JOUR PRVCA 75 035810
- 2007LEZY NUCLEAR REACTIONS ¹⁸F(α , p), E(cm)=1.4-2.3 MeV; measured excitation function. ²¹Ne(p, α), E=2.5-3.5 MeV; measured cross section. CONF Geneva(NIC-IX) 131

A=19

- ¹⁹Ne 2007HOZY NUCLEAR REACTIONS ¹⁷O(³He, n), E=4.2 MeV; measured σ using the NTOF technique. CONF Geneva(NIC-IX) 119
- 2007TA13 RADIOACTIVITY ¹⁹Ne(α) [from ¹⁹F(³He, t)]; measured E α , I α . ¹⁵O(α , γ); deduced reaction rate at astrophysical energies. JOUR PRLTA 98 242503
- 2007TAZX NUCLEAR REACTIONS ¹⁹F(³He, t), E=24 MeV; measured α -decay branching ratio for the astrophysically important 4.03 MeV state. ¹⁵O(α , γ); deduced reaction rate. CONF Geneva(NIC-IX) 023

A=20

- ²⁰F 2007UB01 NUCLEAR REACTIONS ¹⁹F(n, γ), E=spectrum; measured E γ , I γ , Maxwellian averaged σ . Astrophysical implications discussed. JOUR PRVCA 75 035801
- 2007UBZZ NUCLEAR REACTIONS ¹⁹F(n, γ), E=spectrum; measured yield, cross section using activation technique. CONF Geneva(NIC-IX) 186
- ²⁰Ne 2006TAZU NUCLEAR REACTIONS ²⁴Mg(e, e' α), E=199.31 MeV; measured energy and angular distributions; deduced strength distribution for individual multipolarities. JOUR KKYHB 39 21
- 2007COZY NUCLEAR REACTIONS ¹⁹F(p, γ), (p, $\alpha\gamma$), E=200-800 keV; measured yields, resonance parameters and interference terms. CONF Geneva(NIC-IX) 082
- ²⁰Na 2007MUZZ NUCLEAR REACTIONS ²⁰Na(p, p), E(cm)< 1.6 MeV; measured σ , excitation function in inverse kinematics using the resonant elastic scattering. ²¹Mg; deduced level energies and proton decay widths. CONF Geneva(NIC-IX) 146

A=21

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

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

A=22

²²Ne 2006INZY RADIOACTIVITY ²²Na(EC); measured Auger electron spectra. REPT JINR-E6-2006-106,Inoyatov
²²Na 2006INZY RADIOACTIVITY ²²Na(EC); measured Auger electron spectra. REPT JINR-E6-2006-106,Inoyatov
²²Mg 2007CLZZ ATOMIC MASSES ²²Mg; measured masses using Canadian penning trap and the Yale spectrograph. ²⁶Si; measured mass using the Yale spectrograph. CONF Geneva(NIC-IX) 081

A=23

²³F 2007KWZZ NUCLEAR REACTIONS ⁹Be, Ni, ¹⁸¹Ta(⁴⁰Ar, X)²³F / ²⁴F / ²⁵F / ²⁶F / ²⁷F / ²⁹F, 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

²⁴F 2007KWZZ NUCLEAR REACTIONS ⁹Be, Ni, ¹⁸¹Ta(⁴⁰Ar, X)²³F / ²⁴F / ²⁵F / ²⁶F / ²⁷F / ²⁹F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan
²⁴Na 2007TI03 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)⁷Be / ²⁴Na / ⁵⁹Fe / ⁸⁶Rb / ^{101m}Rh / ¹⁷³Lu / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁶Au / ¹⁹⁹Tl / ²⁰⁰Tl / ²⁰³Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

A=25

²⁵F 2007KWZZ NUCLEAR REACTIONS ⁹Be, Ni, ¹⁸¹Ta(⁴⁰Ar, X)²³F / ²⁴F / ²⁵F / ²⁶F / ²⁷F / ²⁹F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan
²⁵Ne 2007FE09 NUCLEAR REACTIONS ²H(²⁴Ne, x), E=10 MeV / nucleon; measured E γ , (particle) γ -coinc using EXOGAM. ²⁵Ne; deduced level energies, J, π and spectroscopic factors. JOUR PPNPD 59 389

A=26

- ²⁶F 2007KWZZ NUCLEAR REACTIONS ⁹Be, Ni, ¹⁸¹Ta(⁴⁰Ar, X)²³F / ²⁴F / ²⁵F / ²⁶F / ²⁷F / ²⁹F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan
- ²⁶Al 2007HE13 NUCLEAR REACTIONS ¹⁴N(¹⁶O, α), E(cm)=7-12 MeV; measured cross section using accelerator mass spectrometry. JOUR NIMBE 259 629
- ²⁶Si 2007CLZZ ATOMIC MASSES ²²Mg; measured masses using Canadian penning trap and the Yale spectrograph. ²⁶Si; measured mass using the Yale spectrograph. CONF Geneva(NIC-IX) 081
- 2007KWZY NUCLEAR REACTIONS ²⁸Si(α , ⁶He), E=120 MeV; measured E α and angular distributions. ²⁶Si; deduced levels, J, π . CONF Geneva(NIC-IX) 024

A=27

- ²⁷F 2007KWZZ NUCLEAR REACTIONS ⁹Be, Ni, ¹⁸¹Ta(⁴⁰Ar, X)²³F / ²⁴F / ²⁵F / ²⁶F / ²⁷F / ²⁹F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan
- ²⁷Mg 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167
- ²⁷Al 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167
- 2007BE19 NUCLEAR REACTIONS ²⁷Al(⁶He, ⁶He), E=9.5, 11.0, 12.0, 13.4 MeV; measured σ , $\sigma(\theta)$. ⁶He deduced radius, deformation parameters. ²⁷Al(⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁶O, ¹⁶O), E \approx 7-45 MeV; analysed total σ . ^{6,7}Li, ⁹Be, ¹⁶O deduced deformation parameters. Sao Paulo potential. JOUR PYLBB 647 30
- 2007FIZZ NUCLEAR REACTIONS ²⁷Al(⁶Li, ⁶Li), E=7-18 MeV; ²⁷Al(⁷Li, ⁷Li), E=6-18 MeV; measured $\sigma(\theta)$ near the Coulomb barrier. CONF Iguazu(Nuclear Physics and Applications) Proc,P185,Figueira
- ²⁷Si 2007RUZZ NUCLEAR REACTIONS ¹H(²⁶Al, γ), E=150-1800 keV / nucleon; measured recoils in coincidence with γ at DRAGON. ²⁶Al(p, γ); deduced resonance strength and energy. CONF Geneva(NIC-IX) 004

A=28

- ²⁸P 2007WA10 NUCLEAR REACTIONS ²⁸Si(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

A=29

- ²⁹F 2007KWZZ NUCLEAR REACTIONS ⁹Be, Ni, ¹⁸¹Ta(⁴⁰Ar, X)²³F / ²⁴F / ²⁵F / ²⁶F / ²⁷F / ²⁹F, E=140 MeV / nucleon; measured yields, momentum distributions for neutron-rich Fluorine isotope production. CONF Iguazu(Nuclear Physics and Applications) Proc,P213,Kwan
- ²⁹Mg 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167
- ²⁹Al 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167

A=30

No references found

A=31

- ³¹Mg 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167
- ³¹Al 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167

A=32

- ³²Al 2007KA18 RADIOACTIVITY ³²Al(β^-) [from ⁴⁰Ar fragmentation]; measured β -NMR spectra. ³²Al deduced quadrupole moment. JOUR PYLBB 647 93
- ³²Si 2007KA18 RADIOACTIVITY ³²Al(β^-) [from ⁴⁰Ar fragmentation]; measured β -NMR spectra. ³²Al deduced quadrupole moment. JOUR PYLBB 647 93
- ³²P 2007H008 NUCLEAR REACTIONS ²⁰⁸Pb(³⁶S, X)³²P / ³³P / ³⁴P / ³⁵P / ³⁶P / ³⁷P, E=215 MeV; measured particle yields, E γ , I γ , (particle) γ -coin. ³⁷P deduced levels, J, π , configurations. Clara array. JOUR PRVCA 75 034313

A=33

- ³³Mg 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167
- ³³Al 2006K055 RADIOACTIVITY ^{27,29,31,33}Mg(β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ³¹Mg deduced ground-state J, π , μ , quadrupole moment. JOUR HYIND 171 167
- ³³P 2007DE15 NUCLEAR REACTIONS ³⁶Cl(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
- 2007H008 NUCLEAR REACTIONS ²⁰⁸Pb(³⁶S, X)³²P / ³³P / ³⁴P / ³⁵P / ³⁶P / ³⁷P, E=215 MeV; measured particle yields, E γ , I γ , (particle) γ -coin. ³⁷P deduced levels, J, π , configurations. Clara array. JOUR PRVCA 75 034313

A=34

- ³⁴P 2007H008 NUCLEAR REACTIONS ²⁰⁸Pb(³⁶S, X)³²P / ³³P / ³⁴P / ³⁵P / ³⁶P / ³⁷P, E=215 MeV; measured particle yields, E γ , I γ , (particle) γ -coin. ³⁷P deduced levels, J, π , configurations. Clara array. JOUR PRVCA 75 034313

A=35

- ³⁵P 2007H008 NUCLEAR REACTIONS ²⁰⁸Pb(³⁶S, X)³²P / ³³P / ³⁴P / ³⁵P / ³⁶P / ³⁷P, E=215 MeV; measured particle yields, E γ , I γ , (particle) γ -coin. ³⁷P deduced levels, J, π , configurations. Clara array. JOUR PRVCA 75 034313
- ³⁵Cl 2007DE14 NUCLEAR REACTIONS ²⁴Mg(¹⁶O, n α), (¹⁶O, p α), E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ³⁵Ar, ³⁵Cl deduced high-spin levels, J, π , configurations, analog states, spin-orbit interaction effects, isospin symmetry features. GASP, ISIS arrays. JOUR PRVCA 75 034317
- 2007LEZZ NUCLEAR REACTIONS ²⁴Mg(¹⁶O, p α), ²⁴Mg(¹⁶O, n α), E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coinc. ³⁵Cl, ³⁵Ar deduced high-spin levels and isospin mixing. CONF Iguazu(Nuclear Physics and Applications) Proc,P135,Lenzi
- ³⁵Ar 2007DE14 NUCLEAR REACTIONS ²⁴Mg(¹⁶O, n α), (¹⁶O, p α), E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ³⁵Ar, ³⁵Cl deduced high-spin levels, J, π , configurations, analog states, spin-orbit interaction effects, isospin symmetry features. GASP, ISIS arrays. JOUR PRVCA 75 034317
- 2007LEZZ NUCLEAR REACTIONS ²⁴Mg(¹⁶O, p α), ²⁴Mg(¹⁶O, n α), E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coinc. ³⁵Cl, ³⁵Ar deduced high-spin levels and isospin mixing. CONF Iguazu(Nuclear Physics and Applications) Proc,P135,Lenzi

A=36

- ³⁶Mg 2007TAZZ NUCLEAR REACTIONS Be, W(⁴⁸Ca, X)³⁶Mg / ³⁷Mg / ³⁸Mg / ⁴¹Si / ⁴²Si / ⁴³Si / ⁴⁴Si, E=142 MeV / nucleon; measured production σ . PREPRINT arXiv:0705.0349v1 [nucl-ex]
- ³⁶P 2007H008 NUCLEAR REACTIONS ²⁰⁸Pb(³⁶S, X)³²P / ³³P / ³⁴P / ³⁵P / ³⁶P / ³⁷P, E=215 MeV; measured particle yields, E γ , I γ , (particle) γ -coin. ³⁷P deduced levels, J, π , configurations. Clara array. JOUR PRVCA 75 034313
- ³⁶S 2007DE15 NUCLEAR REACTIONS ³⁶Cl(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
- ³⁶Cl 2007AZ01 NUCLEAR REACTIONS Cl, K, Ca(n, X)³⁶Cl, E \leq 500 MeV; measured neutron-induced production rates of ³⁶Cl using accelerator mass spectrometry. JOUR JRNCD 272 491
- ³⁶Ca 2007D011 NUCLEAR REACTIONS ⁹Be(³⁷Ca, X)³⁶Ca, E=196 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ³⁶Ca deduced excited state energy, mirror energy differences. Fragment separator, shell-model calculations. JOUR PYLBB 647 237

A=37

- ³⁷Mg 2007TAZZ NUCLEAR REACTIONS Be, W(⁴⁸Ca, X)³⁶Mg / ³⁷Mg / ³⁸Mg / ⁴¹Si / ⁴²Si / ⁴³Si / ⁴⁴Si, E=142 MeV / nucleon; measured production σ . PREPRINT arXiv:0705.0349v1 [nucl-ex]
- ³⁷P 2007H008 NUCLEAR REACTIONS ²⁰⁸Pb(³⁶S, X)³²P / ³³P / ³⁴P / ³⁵P / ³⁶P / ³⁷P, E=215 MeV; measured particle yields, E γ , I γ , (particle) γ -coin. ³⁷P deduced levels, J, π , configurations. Clara array. JOUR PRVCA 75 034313
- ³⁷Ca 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

- ³⁸Mg 2007TAZZ NUCLEAR REACTIONS Be, W(⁴⁸Ca, X)³⁶Mg / ³⁷Mg / ³⁸Mg / ⁴¹Si / ⁴²Si / ⁴³Si / ⁴⁴Si, E=142 MeV / nucleon; measured production σ . PREPRINT arXiv:0705.0349v1 [nucl-ex]
- ³⁸Ar 2007DEZR NUCLEAR REACTIONS ⁴¹Ca(n, α), E=0.6-50 keV; measured cross section and partial widths. CONF Geneva(NIC-IX) 085
- ³⁸Ca 2007GE07 ATOMIC MASSES ³⁸Ca; 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

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

A=40

- ⁴⁰Ar 2007OK01 NUCLEAR REACTIONS ⁴⁰Ar(p, p), (p, p'), E=25.1, 32.5, 40.7 MeV; measured $\sigma(E, \theta)$, $A_y(\theta)$. ⁴⁰Ar deduced deformation parameters. Isospin dependent soft-rotator coupled-channels optical model analysis. JOUR PRVCA 75 034616

A=41

- ⁴¹Si 2007TAZZ NUCLEAR REACTIONS Be, W(⁴⁸Ca, X)³⁶Mg / ³⁷Mg / ³⁸Mg / ⁴¹Si / ⁴²Si / ⁴³Si / ⁴⁴Si, E=142 MeV / nucleon; measured production σ . PREPRINT arXiv:0705.0349v1 [nucl-ex]

A=42

- ⁴²Si 2007TAZZ NUCLEAR REACTIONS Be, W(⁴⁸Ca, X)³⁶Mg / ³⁷Mg / ³⁸Mg / ⁴¹Si / ⁴²Si / ⁴³Si / ⁴⁴Si, E=142 MeV / nucleon; measured production σ . PREPRINT arXiv:0705.0349v1 [nucl-ex]
- ⁴²Sc 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
- 2007CH40 NUCLEAR REACTIONS ²⁸Si(²⁰Ne, X)⁴²Sc, ²⁸Si(²⁰Ne, X)⁴³Sc, E=84 MeV; ²⁴Mg(²⁴Mg, X)^{42,43}Sc, E=94 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (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

A=43

- ⁴³Si 2007TAZZ NUCLEAR REACTIONS Be, W(⁴⁸Ca, X)³⁶Mg / ³⁷Mg / ³⁸Mg / ⁴¹Si / ⁴²Si / ⁴³Si / ⁴⁴Si, E=142 MeV / nucleon; measured production σ . PREPRINT arXiv:0705.0349v1 [nucl-ex]
- ⁴³Sc 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
- 2007CH40 NUCLEAR REACTIONS ²⁸Si(²⁰Ne, X)⁴²Sc, ²⁸Si(²⁰Ne, X)⁴³Sc, E=84 MeV; ²⁴Mg(²⁴Mg, X)^{42,43}Sc, E=94 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (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

A=44

- ⁴⁴Si 2007TAZZ NUCLEAR REACTIONS Be, W(⁴⁸Ca, X)³⁶Mg / ³⁷Mg / ³⁸Mg / ⁴¹Si / ⁴²Si / ⁴³Si / ⁴⁴Si, E=142 MeV / nucleon; measured production σ . PREPRINT arXiv:0705.0349v1 [nucl-ex]
- ⁴⁴Sc 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
- 2007LAZZ NUCLEAR REACTIONS ⁴⁵Sc(³He, α)⁴⁴Sc, ⁴⁵Sc(³He, ³He), E=38 MeV; measured E γ , I γ . Deduced nuclear level densities and γ -ray strength functions. PREPRINT arXiv:0706.0533v1 [nucl-ex]
- ⁴⁴Ti 2007NAZZ NUCLEAR REACTIONS ⁴⁰Ca(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
- 2007V003 NUCLEAR REACTIONS ⁴He(⁴⁰Ca, γ)⁴⁴Ti, E=1.135 MeV / nucleon; measured yield and resonance strength at DRAGON recoil mass spectrometer. JOUR NIMBE 259 688
- 2007V0ZY NUCLEAR REACTIONS ⁴He(⁴⁰Ca, γ), E=600-1200 keV / nucleon; measured prompt γ s in coincidence with recoils, yield using the recoil mass spectrometer DRAGON. ⁴⁰Ca(α , γ); deduced reaction rate. CONF Geneva(NIC-IX) 030

A=45

- ⁴⁵Sc 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
- 2007LAZZ NUCLEAR REACTIONS ⁴⁵Sc(³He, α)⁴⁴Sc, ⁴⁵Sc(³He, ³He), E=38 MeV; measured E γ , I γ . Deduced nuclear level densities and γ -ray strength functions. PREPRINT arXiv:0706.0533v1 [nucl-ex]

A=46

- ⁴⁶Sc 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

A=47

No references found

A=48

No references found

A=49

No references found

A=50

No references found

A=51

⁵¹Cr 2007MI07 NUCLEAR REACTIONS ⁵²Cr(n, n'), (n, 2n), E ≈ 3-18 MeV; measured E_γ, I_γ, σ. Comparison with model predictions. JOUR NUPAB 786 1

A=52

⁵²Cr 2007MI07 NUCLEAR REACTIONS ⁵²Cr(n, n'), (n, 2n), E ≈ 3-18 MeV; measured E_γ, I_γ, σ. Comparison with model predictions. JOUR NUPAB 786 1

A=53

No references found

A=54

⁵⁴Fe 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

A=55

⁵⁵Mn 2006UT03 NUCLEAR REACTIONS ⁵⁴Cr(p, γ), E=1.5-2.5 MeV; measured E_γ, I_γ, and partial cross sections. JOUR BRSPE 70 1859

⁵⁵Fe 2007COZX NUCLEAR REACTIONS ⁵⁴Fe(n, γ), E=spectrum; measured cross section using accelerator mass spectroscopy. CONF Geneva(NIC-IX) 274

⁵⁵Co 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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=55 (continued)

⁵⁵Cu 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

A=56

⁵⁶Mn 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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

⁵⁶Fe 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 BRSP 70 1805

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

2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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

⁵⁶Ni 2007BL09 RADIOACTIVITY ⁵⁷Zn, ⁶¹Ge(β^+ p) [from Ni(⁷⁰Ge, X)]; measured β -delayed proton spectra, $T_{1/2}$. JOUR ZAANE 31 267

⁵⁶Cu 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

⁵⁶Zn 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

A=57

⁵⁷Fe 2007C014 NUCLEAR REACTIONS ⁵⁹Co, ⁹³Nb(polarized p, ³He), E=40-160 MeV; measured σ , angular distributions and analyzing powers. Compared results to model calculations. JOUR PRVCA 75 054617

2007V0ZZ NUCLEAR REACTIONS ⁵⁸Fe(³He, n), (³He, p), (³He, α), E=10 MeV; ⁵⁹Co(d, n), (d, p), (d, α), E=7.5 MeV; measured En, Ep, E α . ⁵⁷Fe, ⁶⁰Ni, ⁶⁰Co deduced level densities, Fermi-gas parameters. Comparison with model predictions. PREPRINT arXiv:0704.0916v1 [nucl-ex]

A=57 (continued)

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

A=58

- ⁵⁸Co 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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
- ⁵⁸Ni 2007CE02 NUCLEAR REACTIONS ⁵⁸Ni(¹¹⁰Sn, ¹¹⁰Sn'), E=2.82 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following Coulomb excitation. ¹¹⁰Sn deduced B(E2) of the first excited 2⁺ state. MINIBALL array at REX-ISOLDE. JOUR PRLTA 98 172501
- 2007FU04 NUCLEAR REACTIONS ⁵⁸Ni(p, p'), E=160 MeV; measured Ep, $\sigma(\theta=0^\circ)$. ⁵⁸Ni(³He, t), E=140 MeV / nucleon; measured triton spectra, $\sigma(\theta=0^\circ)$. ⁵⁸Ni, ⁵⁸Cu deduced 1⁺ level energies, B(GT), isospin symmetry features. Comparison with shell model predictions. JOUR PRVCA 75 034310
- ⁵⁸Cu 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267
- 2007FU04 NUCLEAR REACTIONS ⁵⁸Ni(p, p'), E=160 MeV; measured Ep, $\sigma(\theta=0^\circ)$. ⁵⁸Ni(³He, t), E=140 MeV / nucleon; measured triton spectra, $\sigma(\theta=0^\circ)$. ⁵⁸Ni, ⁵⁸Cu deduced 1⁺ level energies, B(GT), isospin symmetry features. Comparison with shell model predictions. JOUR PRVCA 75 034310
- ⁵⁸Zn 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

A=59

- ⁵⁹Fe 2007TI03 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)⁷Be / ²⁴Na / ⁵⁹Fe / ⁸⁶Rb / ^{101m}Rh / ¹⁷³Lu / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁶Au / ¹⁹⁹Tl / ²⁰⁰Tl / ²⁰³Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
- ⁵⁹Co 2007S009 NUCLEAR REACTIONS ⁵⁹Co(⁶Li, ⁶Li), (⁷Li, ⁷Li), E=12-30 MeV; measured elastic $\sigma(\theta)$; deduced breakup threshold anomaly. JOUR PRVCA 75 044601
- ⁵⁹Ni 2007RU09 NUCLEAR REACTIONS ⁵⁸Ni(n, γ), ⁷⁸Se(n, γ), E \approx 0-100 keV; measured cross sections using accelerator mass spectrometry. Quasi-stellar neutron spectrum. JOUR NIMBE 259 683
- ⁵⁹Zn 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

A=60

- ⁶⁰Co 2007V0ZZ NUCLEAR REACTIONS ⁵⁸Fe(³He, n), (³He, p), (³He, α), E=10 MeV; ⁵⁹Co(d, n), (d, p), (d, α), E=7.5 MeV; measured En, Ep, E α . ⁵⁷Fe, ⁶⁰Ni, ⁶⁰Co deduced level densities, Fermi-gas parameters. Comparison with model predictions. PREPRINT arXiv:0704.0916v1 [nucl-ex]
- ⁶⁰Ni 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
- 2007V0ZZ NUCLEAR REACTIONS ⁵⁸Fe(³He, n), (³He, p), (³He, α), E=10 MeV; ⁵⁹Co(d, n), (d, p), (d, α), E=7.5 MeV; measured En, Ep, E α . ⁵⁷Fe, ⁶⁰Ni, ⁶⁰Co deduced level densities, Fermi-gas parameters. Comparison with model predictions. PREPRINT arXiv:0704.0916v1 [nucl-ex]
- ⁶⁰Zn 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267
- 2007BL09 RADIOACTIVITY ⁵⁷Zn, ⁶¹Ge(β^+ p) [from Ni(⁷⁰Ge, X)]; measured β -delayed proton spectra, T_{1/2}. JOUR ZAANE 31 267
- 2007ZH16 NUCLEAR REACTIONS ²⁴Mg(³⁶Ar, X), E=195 MeV; measured fission fragment energy spectra, angular distributions. ⁶⁰Zn deduced ternary cluster decay from hyperdeformed states in compound nucleus. JOUR JTPLA 85 136
- ⁶⁰Ga 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267
- ⁶⁰Ge 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

A=61

- ⁶¹Fe 2007VE05 NUCLEAR REACTIONS ⁹Be(⁶⁴Ni, X)⁶¹Fe, E=64.6 MeV / nucleon; measured E_γ, I_γ and quadrupole moment of the 9 / 2⁺ isomeric state using time dependent perturbed angular momentum technique. JOUR PRVCA 75 051302
- ⁶¹Ni 2007ZH12 NUCLEAR REACTIONS ⁶⁴Zn(n, α), E=5.03, 5.95 MeV; measured E_α, σ(θ); deduced angle-integrated σ. JOUR NSENA 156 115
- ⁶¹Cu 2007HE12 NUCLEAR REACTIONS ⁶⁴Ni(d, 2n), E=4-20.5 MeV; Ni(d, X)⁶¹Cu, E=4-20.5 MeV; measured production cross sections using stacked-foil activation technique. JOUR NIMBE 258 308
- 2007UD02 NUCLEAR REACTIONS Zn(p, xn)⁶⁶Ga / ⁶⁷Ga, E=4-40 MeV; Zn(p, xnp)⁶²Zn / ⁶⁵Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)⁶¹Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
- ⁶¹Ga 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
- ⁶¹Ge 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267
- 2007BL09 RADIOACTIVITY ⁵⁷Zn, ⁶¹Ge(β⁺p) [from Ni(⁷⁰Ge, X)]; measured β-delayed proton spectra, T_{1/2}. JOUR ZAANE 31 267

A=62

- ⁶²Zn 2007UD02 NUCLEAR REACTIONS Zn(p, xn)⁶⁶Ga / ⁶⁷Ga, E=4-40 MeV; Zn(p, xnp)⁶²Zn / ⁶⁵Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)⁶¹Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
- ⁶²Ge 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ. Comparison with model predictions. JOUR ZAANE 31 267

A=63

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

A=63 (continued)

⁶³Ge 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

A=64

⁶⁴Co 2007P006 NUCLEAR REACTIONS ⁶⁴Ni(d, 2p), E=171 MeV; measured σ and angular distributions. Deduced GT strength to low lying states. JOUR PRVCA 75 054312

⁶⁴Ni 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

⁶⁴Cu 2007HE12 NUCLEAR REACTIONS ⁶⁴Ni(d, 2n), E=4-20.5 MeV; Ni(d, X)⁶¹Cu, E=4-20.5 MeV; measured production cross sections using stacked-foil activation technique. JOUR NIMBE 258 308

⁶⁴Zn 2007MI12 RADIOACTIVITY ⁶⁴Ga(β^+), (EC) [from ⁵⁴Fe(¹²C, np)]; measured β -delayed E γ , I γ , $\gamma\gamma$ -coin. ⁶⁴Zn deduced levels, J, π , transition strengths. Comparisons with predictions of the E(5) critical point symmetry. JOUR PRVCA 75 044302

⁶⁴Ga 2007CL01 ATOMIC MASSES ⁶⁴Ge, ⁶⁴Ga; 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

2007MI12 RADIOACTIVITY ⁶⁴Ga(β^+), (EC) [from ⁵⁴Fe(¹²C, np)]; measured β -delayed E γ , I γ , $\gamma\gamma$ -coin. ⁶⁴Zn 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, ⁶⁹Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

⁶⁴Ge 2007CL01 ATOMIC MASSES ⁶⁴Ge, ⁶⁴Ga; 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, ⁶⁹Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

⁶⁴As 2007BL09 NUCLEAR REACTIONS Ni(⁷⁰Ge, X)⁵⁵Cu / ⁵⁶Cu / ⁵⁷Cu / ⁵⁸Cu / ⁵⁶Zn / ⁵⁷Zn / ⁵⁸Zn / ⁵⁹Zn / ⁶⁰Zn / ⁶⁰Ga / ⁶¹Ga / ⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴As, E=71.6 MeV / nucleon; measured production σ . Comparison with model predictions. JOUR ZAANE 31 267

A=65

- ⁶⁵Ni 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
- ⁶⁵Cu 2007DEZU NUCLEAR REACTIONS ⁶⁵Cu(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
- ⁶⁵Zn 2007UD02 NUCLEAR REACTIONS Zn(p, xn)⁶⁶Ga / ⁶⁷Ga, E=4-40 MeV; Zn(p, xnp)⁶²Zn / ⁶⁵Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)⁶¹Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
- ⁶⁵Ga 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
- ⁶⁵Ge 2007SC24 ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ⁶⁹Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

A=66

- ⁶⁶Ni 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
- ⁶⁶Cu 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
- ⁶⁶Ga 2007UD02 NUCLEAR REACTIONS Zn(p, xn)⁶⁶Ga / ⁶⁷Ga, E=4-40 MeV; Zn(p, xnp)⁶²Zn / ⁶⁵Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)⁶¹Cu, E=6-40 MeV; measured cross sections and excitation functions using stacked-foil activation technique. Compared results to calculations. JOUR NIMBE 258 313
- ⁶⁶Ge 2007SC24 ATOMIC MASSES ^{63,64}Ga, ^{64,65,66}Ge, ^{66,67,68}As, ⁶⁹Se; measured masses using penning trap mass spectrometer. Astrophysical implications discussed. JOUR PRVCA 75 055801

A=66 (continued)

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

A=67

⁶⁷Ni 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

⁶⁷Cu 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

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

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

A=68

⁶⁸Ni 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

⁶⁸Cu 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

2007KE05 NUCLEAR REACTIONS ⁶⁸Zn(n, p), E=spectrum; measured production cross sections for ground and metastable states. Neutrons from ²³⁵U fission. JOUR ARISE 65 872

⁶⁸Ga 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=68 (continued)

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

A=69

⁶⁹Ni 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

⁶⁹Cu 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

⁶⁹Zn 2007UD02 NUCLEAR REACTIONS Zn(p, xn)⁶⁶Ga / ⁶⁷Ga, E=4-40 MeV; Zn(p, xnp)⁶²Zn / ⁶⁵Zn / ^{69m}Zn, E=10-40 MeV; Zn(p, xnα)⁶¹Cu, 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 ≈ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219

⁶⁹Ga 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

⁶⁹Ge 2007SU07 ATOMIC MASSES ⁶⁹Ge, ¹²⁵Ce; measured masses. ¹²⁵Ce deduced long-lived isomeric state, excitation energy, T_{1/2}. JOUR ZAANE 31 393

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

A=70

⁷⁰Cu 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=70 (continued)

^{70}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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=71

^{71}Cu 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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

^{71}Zn 2007VL01 NUCLEAR REACTIONS $^{72,74}\text{Ge}(n, \alpha)$, $^{72,73}\text{Ge}(n, p)$, $^{174,176}\text{Hf}(n, 2n)$, $E \approx 8-11.5$ MeV; measured σ . Activation method, comparison with previous results. JOUR JRNCD 272 219

^{71}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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=72

^{72}Cu 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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

^{72}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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

2007VL01 NUCLEAR REACTIONS $^{72,74}\text{Ge}(n, \alpha)$, $^{72,73}\text{Ge}(n, p)$, $^{174,176}\text{Hf}(n, 2n)$, $E \approx 8-11.5$ MeV; measured σ . Activation method, comparison with previous results. JOUR JRNCD 272 219

^{72}Ge 2007FR10 NUCLEAR REACTIONS $^{74,76}\text{Ge}$, $^{76,78}\text{Se}(p, t)$, $E=23$ MeV; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301

^{72}Kr 2007AN12 NUCLEAR REACTIONS $^{40}\text{Ca}(^{40}\text{Ca}, 2\alpha)$, $E=165$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$, (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

A=73

- ^{73}Cu 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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
- ^{73}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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
- 2007VL01 NUCLEAR REACTIONS $^{72,74}\text{Ge}(n, \alpha)$, $^{72,73}\text{Ge}(n, p)$, $^{174,176}\text{Hf}(n, 2n)$, $E \approx 8\text{--}11.5\text{ MeV}$; measured σ . Activation method, comparison with previous results. JOUR JRNCD 272 219

A=74

- ^{74}Cu 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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
- ^{74}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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
- ^{74}Ge 2007FR10 NUCLEAR REACTIONS $^{74,76}\text{Ge}$, $^{76,78}\text{Se}(p, t)$, $E=23\text{ MeV}$; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301
- ^{74}Se 2007FR10 NUCLEAR REACTIONS $^{74,76}\text{Ge}$, $^{76,78}\text{Se}(p, t)$, $E=23\text{ MeV}$; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301
- ^{74}Kr 2007CL02 NUCLEAR REACTIONS $^{12}\text{C}(^{78}\text{Kr}, X)^{76,74}\text{Kr}$, $E=68.5\text{ MeV / nucleon}$; measured $E\gamma$, $I\gamma$ and angular distributions; ^{74}Kr , ^{76}Kr ; deduced level energies, J , π , $B(E2)$, and shape coexistence. JOUR PRVCA 75 054313

A=75

- ^{75}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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=76

- ^{76}Cu 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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
- ^{76}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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
- ^{76}Se 2007FR10 NUCLEAR REACTIONS $^{74,76}\text{Ge}$, $^{76,78}\text{Se}(p, t)$, $E=23$ MeV; measured yields, cross sections and angular distributions. Compared results to DWBA calculations. JOUR PRVCA 75 051301
- ^{76}Kr 2007CL02 NUCLEAR REACTIONS $^{12}\text{C}(^{78}\text{Kr}, X)^{76,74}\text{Kr}$, $E=68.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$ and angular distributions; ^{74}Kr , ^{76}Kr ; deduced level energies, J , π , $B(E2)$, and shape coexistence. JOUR PRVCA 75 054313

A=77

- ^{77}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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=78

- ^{78}Ga 2007GU09 ATOMIC MASSES $^{57,60,64,65,66,67,68,69}\text{Ni}$, $^{65,66,67,68,69,70,71,72,73,74,76}\text{Cu}$, $^{63,64,65,68,69,70,71,72,73,74,75,76,77,78}\text{Ga}$; 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=79

- ^{79}Se 2007MAZV NUCLEAR REACTIONS $^{80}\text{Se}(\gamma, n)$, $E=9.98-11.80$ 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 $^{58}\text{Ni}(n, \gamma)$, $^{78}\text{Se}(n, \gamma)$, $E \approx 0-100$ keV; measured cross sections using accelerator mass spectrometry. Quasi-stellar neutron spectrum. JOUR NIMBE 259 683

A=79 (continued)

⁷⁹Sr 2007KA13 NUCLEAR REACTIONS ⁵⁴Fe(²⁸Si, n2p), E=90 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ⁷⁹Sr 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

No references found

A=81

No references found

A=82

No references found

A=83

No references found

A=84

No references found

A=85

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

A=86

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

⁸⁶Y 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=87

- ⁸⁷Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy.
JOUR HYIND 171 143
- 2007UD01 NUCLEAR REACTIONS ⁸⁹Y(d, X)^{90m}Y / ⁸⁸Y / ^{87m}Y / ⁸⁷Y / ⁸⁸Zr /
⁸⁹Zr / ⁸⁵Sr, E=9-40 MeV; measured excitation functions. Stacked-foil
activation. JOUR RAACA 95 187

A=88

- ⁸⁸Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy.
JOUR HYIND 171 143
- 2007QA03 NUCLEAR REACTIONS Sr(p, nx)⁸⁸Y, E=9-14 MeV; Rb(α , nx)⁸⁸Y,
E=12-18 MeV;¹⁴¹Pr(p, 2n), E=15-30 MeV; Ce(³He, nx)¹⁴⁰Nd, E=20-35
MeV; ¹⁵³Eu(n, p), E=14 MeV;¹⁵⁰Nd(α , n), E=15-25 MeV; measured
yields, excitation function and cross section. JOUR RAACA 95 313
- 2007UD01 NUCLEAR REACTIONS ⁸⁹Y(d, X)^{90m}Y / ⁸⁸Y / ^{87m}Y / ⁸⁷Y / ⁸⁸Zr /
⁸⁹Zr / ⁸⁵Sr, E=9-40 MeV; measured excitation functions. Stacked-foil
activation. JOUR RAACA 95 187
- ⁸⁸Zr 2007UD01 NUCLEAR REACTIONS ⁸⁹Y(d, X)^{90m}Y / ⁸⁸Y / ^{87m}Y / ⁸⁷Y / ⁸⁸Zr /
⁸⁹Zr / ⁸⁵Sr, E=9-40 MeV; measured excitation functions. Stacked-foil
activation. JOUR RAACA 95 187

A=89

- ⁸⁹Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy.
JOUR HYIND 171 143
- ⁸⁹Zr 2007UD01 NUCLEAR REACTIONS ⁸⁹Y(d, X)^{90m}Y / ⁸⁸Y / ^{87m}Y / ⁸⁷Y / ⁸⁸Zr /
⁸⁹Zr / ⁸⁵Sr, E=9-40 MeV; measured excitation functions. Stacked-foil
activation. JOUR RAACA 95 187

A=90

- ⁹⁰Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy.
JOUR HYIND 171 143
- 2007UD01 NUCLEAR REACTIONS ⁸⁹Y(d, X)^{90m}Y / ⁸⁸Y / ^{87m}Y / ⁸⁷Y / ⁸⁸Zr /
⁸⁹Zr / ⁸⁵Sr, E=9-40 MeV; measured excitation functions. Stacked-foil
activation. JOUR RAACA 95 187

A=91

- ⁹¹Zr 2007C014 NUCLEAR REACTIONS ⁵⁹Co, ⁹³Nb(polarized p, ³He), E=40-160 MeV; measured σ , angular distributions and analyzing powers. Compared results to model calculations. JOUR PRVCA 75 054617

A=92

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

A=93

- ⁹³Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy.
JOUR HYIND 171 143
- ⁹³Tc 2007KH06 NUCLEAR REACTIONS Mo(p, xn)⁹³Tc / ^{93m}Tc / ⁹⁴Tc / ^{94m}Tc,
E=10-30 MeV; measured proton induced cross sections using stacked
foil activation technique. JOUR KPSJA 50 1518

A=94

- ⁹⁴Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy.
JOUR HYIND 171 143
- ⁹⁴Tc 2007KH06 NUCLEAR REACTIONS Mo(p, xn)⁹³Tc / ^{93m}Tc / ⁹⁴Tc / ^{94m}Tc,
E=10-30 MeV; measured proton induced cross sections using stacked
foil activation technique. JOUR KPSJA 50 1518
- ⁹⁴Ru 2007MI14 RADIOACTIVITY ⁹⁴Rh(β^+), (EC) [from ⁵⁸Ni(⁴⁰Ca, n3p)]; measured
 β -delayed E γ , I γ , $\gamma\gamma$ -coin. ⁹⁴Ru deduced levels, J, π , configurations.
Empirical shell model analysis. JOUR PRVCA 75 047302
- ⁹⁴Rh 2007MI14 RADIOACTIVITY ⁹⁴Rh(β^+), (EC) [from ⁵⁸Ni(⁴⁰Ca, n3p)]; measured
 β -delayed E γ , I γ , $\gamma\gamma$ -coin. ⁹⁴Ru deduced levels, J, π , configurations.
Empirical shell model analysis. JOUR PRVCA 75 047302

A=95

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

A=96

- ⁹⁶Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy.
JOUR HYIND 171 143
- ⁹⁶Mo 2007LE05 NUCLEAR REACTIONS ⁹⁶Mo(n, n'γ), E=2-4 MeV; measured Eγ, Iγ,
DSA. ⁹⁶Mo deduced levels, J, π, δ, T_{1/2}, B(M1), B(E2),
mixed-symmetry states. JOUR PRVCA 75 034318

A=97

- ⁹⁷Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
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
- ⁹⁷Ru 2007CEZZ NUCLEAR REACTIONS ⁵⁹Co(¹⁶O, X), E=400 MeV; measured Z=5-7
fragments σ(E, θ). ¹⁰³Rh(¹²C, X)^{111m}In / ¹⁰⁸In / ¹⁰⁵Ag / ¹⁰¹Pd /
^{102m}Rh / ⁹⁷Ru, E ≈ 50-400 MeV; measured excitation functions.
CONF Iguazu(Nuclear Physics and Applications) Proc.P207,Cerutti
- 2007DI06 NUCLEAR REACTIONS Pd(p, X)¹⁰⁵Ag / ^{106m}Ag / ¹⁰⁰Pd / ^{101m}Rh /
⁹⁷Ru, E=5-70 MeV; measured excitation functions. Activation method.
JOUR JRNCD 272 231

A=98

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

A=99

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

A=100

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

A=100 (continued)

- ¹⁰⁰Pd 2007DI06 NUCLEAR REACTIONS Pd(p, X)¹⁰⁵Ag / ^{106m}Ag / ¹⁰⁰Pd / ^{101m}Rh / ⁹⁷Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNC D 272 231
- ¹⁰⁰Cd 2007KA15 RADIOACTIVITY ¹⁰¹Sn(β^+), (EC), (β^+ p) [from ⁵⁰Cr(⁵⁸Ni, 3 α)]; measured β -delayed Ep, E γ , $\gamma\gamma$ -coin, T_{1/2}. ¹⁰¹Sn deduced ground-state J, π . ¹⁰¹In deduced transitions. Mass separator. JOUR ZAANE 31 319

A=101

- ¹⁰¹Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
- ¹⁰¹Rh 2007DI06 NUCLEAR REACTIONS Pd(p, X)¹⁰⁵Ag / ^{106m}Ag / ¹⁰⁰Pd / ^{101m}Rh / ⁹⁷Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNC D 272 231
- 2007TI03 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)⁷Be / ²⁴Na / ⁵⁹Fe / ⁸⁶Rb / ^{101m}Rh / ¹⁷³Lu / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁶Au / ¹⁹⁹Tl / ²⁰⁰Tl / ²⁰³Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
- ¹⁰¹Pd 2007CEZZ NUCLEAR REACTIONS ⁵⁹Co(¹⁶O, X), E=400 MeV; measured Z=5-7 fragments $\sigma(E, \theta)$. ¹⁰³Rh(¹²C, X)^{111m}In / ¹⁰⁸In / ¹⁰⁵Ag / ¹⁰¹Pd / ^{102m}Rh / ⁹⁷Ru, E \approx 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti
- ¹⁰¹In 2007KA15 RADIOACTIVITY ¹⁰¹Sn(β^+), (EC), (β^+ p) [from ⁵⁰Cr(⁵⁸Ni, 3 α)]; measured β -delayed Ep, E γ , $\gamma\gamma$ -coin, T_{1/2}. ¹⁰¹Sn deduced ground-state J, π . ¹⁰¹In deduced transitions. Mass separator. JOUR ZAANE 31 319
- ¹⁰¹Sn 2007KA15 RADIOACTIVITY ¹⁰¹Sn(β^+), (EC), (β^+ p) [from ⁵⁰Cr(⁵⁸Ni, 3 α)]; measured β -delayed Ep, E γ , $\gamma\gamma$ -coin, T_{1/2}. ¹⁰¹Sn deduced ground-state J, π . ¹⁰¹In deduced transitions. Mass separator. JOUR ZAANE 31 319
- 2007KA15 NUCLEAR REACTIONS ⁵⁰Cr(⁵⁸Ni, 3 α), E=4.9, 5.2 MeV / nucleon; measured delayed Ep; deduced σ . Mass separator. JOUR ZAANE 31 319

A=102

- ¹⁰²Y 2006CA38 NUCLEAR MOMENTS
86,87,87m,88,88m,89,89m,90,90m,92,93,93m,94,95,96,96m,97,97m,98,98m,99,100,101,102Y;
measured resonance fluorescence spectra. Collinear laser spectroscopy. JOUR HYIND 171 143
- ¹⁰²Rh 2007CEZZ NUCLEAR REACTIONS ⁵⁹Co(¹⁶O, X), E=400 MeV; measured Z=5-7 fragments $\sigma(E, \theta)$. ¹⁰³Rh(¹²C, X)^{111m}In / ¹⁰⁸In / ¹⁰⁵Ag / ¹⁰¹Pd / ^{102m}Rh / ⁹⁷Ru, E \approx 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti

A=102 (continued)

- ¹⁰²Cd 2007B017 NUCLEAR REACTIONS ⁹²Mo(¹²C, 2n), E=41 MeV; ⁹⁴Mo(¹²C, 2n), E=42 MeV; measured E γ , I γ and lifetimes for low lying states using recoil distance Doppler shift technique. Deduced B(E2). JOUR PRVCA 75 054311

A=103

- ¹⁰³Pd 2006R050 NUCLEAR REACTIONS ¹⁰⁴Pd(d, t), E=15 MeV; measured triton spectra, $\sigma(\theta)$. ¹⁰³Pd deduced low lying levels, J, π . JOUR BJPHE 36 1363

A=104

- ¹⁰⁴Cd 2007B017 NUCLEAR REACTIONS ⁹²Mo(¹²C, 2n), E=41 MeV; ⁹⁴Mo(¹²C, 2n), E=42 MeV; measured E γ , I γ and lifetimes for low lying states using recoil distance Doppler shift technique. Deduced B(E2). JOUR PRVCA 75 054311

A=105

- ¹⁰⁵Ag 2007CEZZ NUCLEAR REACTIONS ⁵⁹Co(¹⁶O, X), E=400 MeV; measured Z=5-7 fragments $\sigma(E, \theta)$. ¹⁰³Rh(¹²C, X)^{111m}In / ¹⁰⁸In / ¹⁰⁵Ag / ¹⁰¹Pd / ^{102m}Rh / ⁹⁷Ru, E \approx 50-400 MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc,P207,Cerutti
- 2007DI06 NUCLEAR REACTIONS Pd(p, X)¹⁰⁵Ag / ^{106m}Ag / ¹⁰⁰Pd / ^{101m}Rh / ⁹⁷Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNC D 272 231
- ¹⁰⁵Sb 2007MA35 RADIOACTIVITY ¹⁰⁹I(α); measured E α , Q α and branching ratio. JOUR PRLTA 98 212501

A=106

- ¹⁰⁶Pd 2007R011 NUCLEAR REACTIONS ¹⁰⁵Pd(n, γ), E=10-90 keV; measured capture cross sections relative to standard capture cross sections for ¹⁹⁷Au. JOUR KPSJA 50 1598
- ¹⁰⁶Ag 2007DI06 NUCLEAR REACTIONS Pd(p, X)¹⁰⁵Ag / ^{106m}Ag / ¹⁰⁰Pd / ^{101m}Rh / ⁹⁷Ru, E=5-70 MeV; measured excitation functions. Activation method. JOUR JRNC D 272 231

A=107

- ¹⁰⁷In 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

A=107 (continued)

- 2007GYZZ NUCLEAR REACTIONS $^{106,108}\text{Cd}(p, \gamma)$, $E=2.4-4.7$ MeV; measured σ ; deduced astrophysical S-factors. Comparison with model predictions. PREPRINT nucl-ex/0703045,3/29/2007
- 2007TA10 NUCLEAR REACTIONS $\text{Cd}(d, x)^{107}\text{In} / ^{108}\text{In} / ^{108m}\text{In} / ^{109}\text{In} / ^{110}\text{In} / ^{110m}\text{In} / ^{111}\text{In} / ^{112m}\text{In} / ^{113m}\text{In} / ^{114m}\text{In} / ^{115m}\text{In} / ^{116m1}\text{In} / ^{111m}\text{Cd} / ^{115}\text{Cd} / ^{115m}\text{Cd} / ^{117}\text{Cd} / ^{117m}\text{Cd} / ^{105}\text{Ag} / ^{106m}\text{Ag} / ^{110m}\text{Ag} / ^{111}\text{Ag}$, $E < 40$ MeV; measured $E\gamma$, $I\gamma$, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=108

- ^{108}Mo 2007DI09 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -conic using the Gammasphere array. ^{108}Mo deduced level energies, J , π . JOUR CPLEE 24 1517
- ^{108}Pd 2007NA10 NUCLEAR REACTIONS $^{107}\text{Pd}(n, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$; deduced capture σ . Comparison with previous results. JOUR JNSTA 44 103
- ^{108}In 2007CEZZ NUCLEAR REACTIONS $^{59}\text{Co}(^{16}\text{O}, X)$, $E=400$ MeV; measured $Z=5-7$ fragments $\sigma(E, \theta)$. $^{103}\text{Rh}(^{12}\text{C}, X)^{111m}\text{In} / ^{108}\text{In} / ^{105}\text{Ag} / ^{101}\text{Pd} / ^{102m}\text{Rh} / ^{97}\text{Ru}$, $E \approx 50-400$ MeV; measured excitation functions. CONF Iguazu(Nuclear Physics and Applications) Proc.P207,Cerutti
- 2007TA10 NUCLEAR REACTIONS $\text{Cd}(d, x)^{107}\text{In} / ^{108}\text{In} / ^{108m}\text{In} / ^{109}\text{In} / ^{110}\text{In} / ^{110m}\text{In} / ^{111}\text{In} / ^{112m}\text{In} / ^{113m}\text{In} / ^{114m}\text{In} / ^{115m}\text{In} / ^{116m1}\text{In} / ^{111m}\text{Cd} / ^{115}\text{Cd} / ^{115m}\text{Cd} / ^{117}\text{Cd} / ^{117m}\text{Cd} / ^{105}\text{Ag} / ^{106m}\text{Ag} / ^{110m}\text{Ag} / ^{111}\text{Ag}$, $E < 40$ MeV; measured $E\gamma$, $I\gamma$, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=109

- ^{109}In 2007GY03 NUCLEAR REACTIONS $^{106,108}\text{Cd}(p, \gamma)$, $E=2.4-4.7$ MeV; measured activation σ ; deduced astrophysical S-factors. Comparison with model predictions. JOUR JPGPE 34 817
- 2007GYZZ NUCLEAR REACTIONS $^{106,108}\text{Cd}(p, \gamma)$, $E=2.4-4.7$ MeV; measured σ ; deduced astrophysical S-factors. Comparison with model predictions. PREPRINT nucl-ex/0703045,3/29/2007
- 2007TA10 NUCLEAR REACTIONS $\text{Cd}(d, x)^{107}\text{In} / ^{108}\text{In} / ^{108m}\text{In} / ^{109}\text{In} / ^{110}\text{In} / ^{110m}\text{In} / ^{111}\text{In} / ^{112m}\text{In} / ^{113m}\text{In} / ^{114m}\text{In} / ^{115m}\text{In} / ^{116m1}\text{In} / ^{111m}\text{Cd} / ^{115}\text{Cd} / ^{115m}\text{Cd} / ^{117}\text{Cd} / ^{117m}\text{Cd} / ^{105}\text{Ag} / ^{106m}\text{Ag} / ^{110m}\text{Ag} / ^{111}\text{Ag}$, $E < 40$ MeV; measured $E\gamma$, $I\gamma$, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
- ^{109}I 2007MA35 RADIOACTIVITY $^{109}\text{I}(\alpha)$; measured $E\alpha$, $Q\alpha$ and branching ratio. JOUR PRLTA 98 212501

A=110

- ^{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 / $^{116m1}\text{In}$ / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag , E < 40 MeV; measured $E\gamma$, $I\gamma$, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
- ^{110}Sn 2007CE02 NUCLEAR REACTIONS $^{58}\text{Ni}(^{110}\text{Sn}, ^{110}\text{Sn}')$, E=2.82 MeV / nucleon; measured $E\gamma$, $I\gamma$, (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

A=111

- ^{111}In 2007CEZZ NUCLEAR REACTIONS $^{59}\text{Co}(^{16}\text{O}, \text{X})$, E=400 MeV; measured Z=5-7 fragments $\sigma(E, \theta)$. $^{103}\text{Rh}(^{12}\text{C}, \text{X})^{111m}\text{In}$ / ^{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 / $^{116m1}\text{In}$ / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag , E < 40 MeV; measured $E\gamma$, $I\gamma$, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=112

- ^{112}Cd 2007GA22 NUCLEAR REACTIONS $^{112}\text{Cd}(n, n'\gamma)$, E=fast; measured $E\gamma$, $I\gamma$, angular distributions and lifetimes using Dopler shift attenuation technique. Deduced B(E1) and B(M1). JOUR PRVCA 75 054310
- ^{112}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 / $^{116m1}\text{In}$ / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag , E < 40 MeV; measured $E\gamma$, $I\gamma$, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=113

- ^{113}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 / $^{116m1}\text{In}$ / ^{111m}Cd / ^{115}Cd / ^{115m}Cd / ^{117}Cd / ^{117m}Cd / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag , E < 40 MeV; measured $E\gamma$, $I\gamma$, integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=114

- ¹¹⁴In 2007TA10 NUCLEAR REACTIONS Cd(d, x)¹⁰⁷In / ¹⁰⁸In / ^{108m}In / ¹⁰⁹In / ¹¹⁰In / ^{110m}In / ¹¹¹In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ¹¹⁵Cd / ^{115m}Cd / ¹¹⁷Cd / ^{117m}Cd / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag, E < 40 MeV; measured E γ , I γ , integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817

A=115

- ¹¹⁵Ru 2007KU06 RADIOACTIVITY ¹¹⁵Ru(β^-) [from ²³⁸U(p, F)]; measured E γ , I γ , $\gamma\gamma$ -coin. ¹¹⁵Rh deduced levels, J, π . Level systematics in neighboring nuclides discussed. JOUR ZAANE 31 263
- ¹¹⁵Rh 2007KU06 RADIOACTIVITY ¹¹⁵Ru(β^-) [from ²³⁸U(p, F)]; measured E γ , I γ , $\gamma\gamma$ -coin. ¹¹⁵Rh deduced levels, J, π . Level systematics in neighboring nuclides discussed. JOUR ZAANE 31 263
- ¹¹⁵Cd 2006VI11 NUCLEAR REACTIONS ¹¹⁴Cd(n, γ), ¹¹⁶Sn(n, γ), ¹²⁴Te(n, γ), E=reactor spectrum; measured x-ray spectra. deduced K-shell internal conversion coefficients. JOUR BRSPE 70 1842
- ¹¹⁵In 2007TA10 NUCLEAR REACTIONS Cd(d, x)¹⁰⁷In / ¹⁰⁸In / ^{108m}In / ¹⁰⁹In / ¹¹⁰In / ^{110m}In / ¹¹¹In / ^{112m}In / ^{113m}In / ^{114m}In / ^{115m}In / ^{116m1}In / ^{111m}Cd / ¹¹⁵Cd / ^{115m}Cd / ¹¹⁷Cd / ^{117m}Cd / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag, E < 40 MeV; measured E γ , I γ , integral yields, excitation functions and cross sections. Compared results to model calculations. JOUR NIMBE 259 817
- ¹¹⁵Sb 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

- ¹¹⁶Sb 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=117

- ¹¹⁷Sn 2006VI11 NUCLEAR REACTIONS ¹¹⁴Cd(n, γ), ¹¹⁶Sn(n, γ), ¹²⁴Te(n, γ), E=reactor spectrum; measured x-ray spectra. deduced K-shell internal conversion coefficients. JOUR BRSPE 70 1842

A=118

No references found

A=119

No references found

A=120

- ¹²⁰Sn 2007BA43 RADIOACTIVITY ¹²⁰Te(β^+ EC); measured $E\gamma$, $I\gamma$. Deduced limits for $(0\nu+2\nu)$ and (0ν) $T_{1/2}$. JOUR JPGPE 34 1721
- ¹²⁰Sb 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
- ¹²⁰Te 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 ¹²⁰Te(β^+ EC); measured $E\gamma$, $I\gamma$. Deduced limits for $(0\nu+2\nu)$ and (0ν) $T_{1/2}$. JOUR JPGPE 34 1721

A=121

- ¹²¹Te 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 ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured $E\gamma$, $I\gamma$, X-ray spectra. JOUR PRVCA 75 045501

A=122

- ¹²²Te 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 ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured $E\gamma$, $I\gamma$, X-ray spectra. JOUR PRVCA 75 045501

A=123

- ¹²³Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=124

- ¹²⁴Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=125

- ¹²⁵Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
- 2006VI11 NUCLEAR REACTIONS ¹¹⁴Cd(n, γ), ¹¹⁶Sn(n, γ), ¹²⁴Te(n, γ), E=reactor spectrum; measured x-ray spectra. deduced K-shell internal conversion coefficients. JOUR BRSPE 70 1842
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501
- ¹²⁵Ce 2007SU07 ATOMIC MASSES ⁶⁹Ge, ¹²⁵Ce; measured masses. ¹²⁵Ce deduced long-lived isomeric state, excitation energy, T_{1/2}. JOUR ZAANE 31 393

A=126

- ¹²⁶Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501
- ¹²⁶Cs 2007WA09 NUCLEAR REACTIONS ¹¹⁶Cd(¹⁴N, 4n), E=65 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹²⁶Cs deduced high-spin levels, J, π , configurations. JOUR PRVCA 75 037302

A=127

- ¹²⁷Sn 2007AT03 NUCLEAR REACTIONS ¹³⁶Xe(Be, x)¹²⁷Sn, E=600 MeV / nucleon; measured g-factor for 19 / 2⁺ isomer using time-differential perturbed angular distribution method. JOUR PPNPD 59 355
- ¹²⁷Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=128

- ¹²⁸Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173

A=129

- ¹²⁹Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser spectroscopy, comparison with model predictions. JOUR HYIND 171 173
- ¹²⁹Xe 2007KI06 NUCLEAR MOMENTS ¹²⁹Xe; measured precession, transverse relaxation of polarized gas in weak magnetic fields. JOUR ZDDNE 42 197

A=130

¹³⁰Te 2006SI40 NUCLEAR MOMENTS
 120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured
 hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser
 spectroscopy, comparison with model predictions. JOUR HYIND 171
 173

A=131

¹³¹Te 2006SI40 NUCLEAR MOMENTS
 120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured
 hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser
 spectroscopy, comparison with model predictions. JOUR HYIND 171
 173

A=132

¹³²Te 2006SI40 NUCLEAR MOMENTS
 120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured
 hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser
 spectroscopy, comparison with model predictions. JOUR HYIND 171
 173

A=133

¹³³Te 2006SI40 NUCLEAR MOMENTS
 120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured
 hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser
 spectroscopy, comparison with model predictions. JOUR HYIND 171
 173

A=134

¹³⁴Te 2006SI40 NUCLEAR MOMENTS
 120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured
 hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser
 spectroscopy, comparison with model predictions. JOUR HYIND 171
 173

A=135

- ¹³⁵Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured
hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser
spectroscopy, comparison with model predictions. JOUR HYIND 171
173
- 2007F002 RADIOACTIVITY ^{135,136}Te(β^-); measured E β , E γ , $\beta\gamma$ -coinc.
Deduced β endpoint energies and mass excess. JOUR PRVCA 75
054308
- ¹³⁵I 2007F002 RADIOACTIVITY ^{135,136}Te(β^-); measured E β , E γ , $\beta\gamma$ -coinc.
Deduced β endpoint energies and mass excess. JOUR PRVCA 75
054308
- ¹³⁵Xe 2007F003 RADIOACTIVITY ¹³⁵Xe; measured E γ , I γ , $\gamma\gamma$ -coinc. Deduced high
spin level structure, J, π . JOUR PRVCA 75 054322
- 2007F003 NUCLEAR REACTIONS ¹³⁶Xe(n, 2n γ), E not given; measured
excitation functions. JOUR PRVCA 75 054322

A=136

- ¹³⁶Te 2006SI40 NUCLEAR MOMENTS
120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136Te; measured
hfs, isotope shifts; deduced μ , quadrupole moments, radii. Laser
spectroscopy, comparison with model predictions. JOUR HYIND 171
173
- 2007F002 RADIOACTIVITY ^{135,136}Te(β^-); measured E β , E γ , $\beta\gamma$ -coinc.
Deduced β endpoint energies and mass excess. JOUR PRVCA 75
054308
- ¹³⁶I 2007F002 RADIOACTIVITY ^{135,136}Te(β^-); measured E β , E γ , $\beta\gamma$ -coinc.
Deduced β endpoint energies and mass excess. JOUR PRVCA 75
054308

A=137

- ¹³⁷Cs 2007LI21 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{137,138}Cs
deduced high-spin levels, J, π , configurations. Gammasphere array,
comparison with shell model predictions. JOUR PRVCA 75 044314

A=138

- ¹³⁸I 2007RZ01 RADIOACTIVITY ¹³⁸I [from ²⁴⁸Cm(SF)]; measured prompt and
delayed E γ , I γ . Deduced level energies, J, π . JOUR PRVCA 75 054319
- ¹³⁸Cs 2007LI21 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{137,138}Cs
deduced high-spin levels, J, π , configurations. Gammasphere array,
comparison with shell model predictions. JOUR PRVCA 75 044314
- ¹³⁸Pr 2007LI12 NUCLEAR REACTIONS ¹²⁸Te(¹⁴N, 4n), E=64 MeV; measured E γ ,
I γ , $\gamma\gamma$ -coin. ¹³⁸Pr deduced high-spin levels, J, π , configurations. JOUR
PRVCA 75 034304

A=139

- ¹³⁹La 2007SC18 NUCLEAR REACTIONS ¹³⁹La, ¹⁴¹Pr(γ , γ'), E=4.1 MeV bremsstrahlung; measured E γ , I γ . ¹³⁹La, ¹⁴¹Pr deduced level energies, widths, B(E1), B(M1), dipole strength distributions, blocking effect. JOUR PRVCA 75 044313

A=140

- ¹⁴⁰La 2007MAZW NUCLEAR REACTIONS ¹³⁹La(n, γ), ¹⁵¹Sm(n, γ), E< 1 MeV; measured yields, cross sections. CONF Geneva(NIC-IX) 138
2007TE03 NUCLEAR REACTIONS ¹³⁹La(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
- ¹⁴⁰Ce 2007SA25 RADIOACTIVITY ¹⁴⁰Ce(β^-); measured E γ , I γ , angular anisotropy for source implanted in highly oriented pyrolytic graphite. Time-differential perturbed angular correlation. JOUR JRNCD 272 665
- ¹⁴⁰Pr 2007SA25 RADIOACTIVITY ¹⁴⁰Ce(β^-); measured E γ , I γ , angular anisotropy for source implanted in highly oriented pyrolytic graphite. Time-differential perturbed angular correlation. JOUR JRNCD 272 665
- ¹⁴⁰Nd 2007QA03 NUCLEAR REACTIONS Sr(p, nx)⁸⁸Y, E=9-14 MeV; Rb(α , nx)⁸⁸Y, E=12-18 MeV; ¹⁴¹Pr(p, 2n), E=15-30 MeV; Ce(³He, nx)¹⁴⁰Nd, E=20-35 MeV; ¹⁵³Eu(n, p), E=14 MeV; ¹⁵⁰Nd(α , n), E=15-25 MeV; measured yields, excitation function and cross section. JOUR RAACA 95 313
2007ZH23 NUCLEAR REACTIONS Ce(³He, nx), E< 33.5 MeV; ¹⁴¹Pr(p, 2n), E=16.2-18.6 MeV; measured yields. JOUR RAACA 95 319
- ¹⁴⁰Gd 20060L09 NUCLEAR REACTIONS ⁹²Mo(⁵⁴Fe, 2p α), E=240 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁴⁰GD deduced high-spin levels J, π . JOUR BJPHE 36 1371

A=141

- ¹⁴¹Pr 2007SC18 NUCLEAR REACTIONS ¹³⁹La, ¹⁴¹Pr(γ , γ'), E=4.1 MeV bremsstrahlung; measured E γ , I γ . ¹³⁹La, ¹⁴¹Pr deduced level energies, widths, B(E1), B(M1), dipole strength distributions, blocking effect. JOUR PRVCA 75 044313

A=142

No references found

A=143

No references found

A=144

No references found

A=145

No references found

A=146

No references found

A=147

No references found

A=148

No references found

A=149

No references found

A=150

No references found

A=151

^{151}Tb	2007BE20	NUCLEAR REACTIONS $^{130}\text{Te}(^{27}\text{Al}, 6\text{n})$, $E=155$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{151}Tb deduced unresolved superdeformed bands, decay-out features. Euroball IV array, comparison with band mixing model predictions. JOUR PRVCA 75 047301
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A=152

^{152}Sm	2007MAZW	NUCLEAR REACTIONS $^{139}\text{La}(n, \gamma)$, $^{151}\text{Sm}(n, \gamma)$, $E < 1$ MeV; measured yields, cross sections. CONF Geneva(NIC-IX) 138
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A=153

- ¹⁵³Sm 2007KA16 NUCLEAR REACTIONS ¹⁵²Sm(n, γ), E=thermal; measured capture σ ; deduced resonance integral. Comparison with previous results. JOUR ANEND 34 188
- 2007QA03 NUCLEAR REACTIONS Sr(p, nx)⁸⁸Y, E=9-14 MeV; Rb(α , nx)⁸⁸Y, E=12-18 MeV; ¹⁴¹Pr(p, 2n), E=15-30 MeV; Ce(³He, nx)¹⁴⁰Nd, E=20-35 MeV; ¹⁵³Eu(n, p), E=14 MeV; ¹⁵⁰Nd(α , n), E=15-25 MeV; measured yields, excitation function and cross section. JOUR RAACA 95 313

A=154

No references found

A=155

No references found

A=156

No references found

A=157

- ¹⁵⁷Gd 2007CH37 NUCLEAR REACTIONS ^{156,158}Gd(n, γ), E=10-90 keV; measured capture cross sections relative to standard capture cross sections for ¹⁹⁷Au. JOUR KPSJA 50 1592

A=158

No references found

A=159

- ¹⁵⁹Gd 2007CH37 NUCLEAR REACTIONS ^{156,158}Gd(n, γ), E=10-90 keV; measured capture cross sections relative to standard capture cross sections for ¹⁹⁷Au. JOUR KPSJA 50 1592

A=160

No references found

A=161

No references found

A=162

No references found

A=163

- ^{163}Tm 2007PA22 NUCLEAR REACTIONS $^{130}\text{Te}(^{37}\text{Cl}, 4n)$, $E=170$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin. ^{163}Tm deduced high-spin levels, J , π , triaxial superdeformed bands, $B(\text{M}1)$ / $B(\text{E}2)$. Gammasphere array, potential energy surface calculations. JOUR PYLBB 647 243
- 2007TA11 NUCLEAR REACTIONS $\text{Er}(d, x)^{163}\text{Tm}$ / ^{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
- 2007WAZZ NUCLEAR REACTIONS $^{130}\text{Te}(^{37}\text{Cl}, 4n)$, $E=165$ MeV; measured E_γ , I_γ 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 $^{121}\text{Sb}(^{48}\text{Ca}, 5n)$, $E=215$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -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 $\text{Er}(d, x)^{163}\text{Tm}$ / ^{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 2007R010 NUCLEAR REACTIONS $^{165}\text{Ho}(n, \gamma)$, $E=10-90$ keV; measured capture cross sections relative to standard capture cross sections for ^{197}Au . JOUR KPSJA 50 1494
- ^{166}Tm 2007TA11 NUCLEAR REACTIONS $\text{Er}(d, x)^{163}\text{Tm}$ / ^{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=167

- ^{167}Tm 2007TA09 NUCLEAR REACTIONS $^{169}\text{Tm}(d, 2n)$, $E \approx 4\text{-}20.5$ MeV; measured excitation functions; deduced integral yield. $^{169}\text{Tm}(d, 2np)$, $(d, 3np)$, $E \approx 4\text{-}20.5$ MeV; measured excitation functions. Stacked foil activation, comparison with model predictions. JOUR ARISE 65 663
- 2007TA11 NUCLEAR REACTIONS $\text{Er}(d, x)^{163}\text{Tm} / ^{165}\text{Tm} / ^{166}\text{Tm} / ^{167}\text{Tm} / ^{168}\text{Tm} / ^{170}\text{Tm} / ^{171}\text{Er}$, $E < 40$ MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829

A=168

- ^{168}Tm 2007CAZW NUCLEAR REACTIONS $^{164}\text{Dy}(^{11}\text{B}, 3n\alpha)$, $E=65$ MeV; measured $E\gamma$, $I\gamma$. ^{168}Tm deduced high spin levels, J , π . GASP array. CONF Iguazu(Nuclear Physics and Applications) Proc,P446,Cardona
- 2007TA09 NUCLEAR REACTIONS $^{169}\text{Tm}(d, 2n)$, $E \approx 4\text{-}20.5$ MeV; measured excitation functions; deduced integral yield. $^{169}\text{Tm}(d, 2np)$, $(d, 3np)$, $E \approx 4\text{-}20.5$ MeV; measured excitation functions. Stacked foil activation, comparison with model predictions. JOUR ARISE 65 663
- 2007TA11 NUCLEAR REACTIONS $\text{Er}(d, x)^{163}\text{Tm} / ^{165}\text{Tm} / ^{166}\text{Tm} / ^{167}\text{Tm} / ^{168}\text{Tm} / ^{170}\text{Tm} / ^{171}\text{Er}$, $E < 40$ MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829

A=169

- ^{169}Yb 2007TA09 NUCLEAR REACTIONS $^{169}\text{Tm}(d, 2n)$, $E \approx 4\text{-}20.5$ MeV; measured excitation functions; deduced integral yield. $^{169}\text{Tm}(d, 2np)$, $(d, 3np)$, $E \approx 4\text{-}20.5$ MeV; measured excitation functions. Stacked foil activation, comparison with model predictions. JOUR ARISE 65 663
- ^{169}Ir 2007SA33 NUCLEAR REACTIONS $^{112}\text{Sn}(^{60}\text{Ni}, 2np)$, $E=266$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coinc. Deduced level energies, J , π . JOUR PRVCA 75 054321

A=170

- ^{170}Tm 2007TA11 NUCLEAR REACTIONS $\text{Er}(d, x)^{163}\text{Tm} / ^{165}\text{Tm} / ^{166}\text{Tm} / ^{167}\text{Tm} / ^{168}\text{Tm} / ^{170}\text{Tm} / ^{171}\text{Er}$, $E < 40$ MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829

A=171

- ¹⁷¹Er 2007TA11 NUCLEAR REACTIONS Er(d, x)¹⁶³Tm / ¹⁶⁵Tm / ¹⁶⁶Tm / ¹⁶⁷Tm / ¹⁶⁸Tm / ¹⁷⁰Tm / ¹⁷¹Er, E < 40 MeV; measured excitation functions and cross section using stacked foil activation technique. Compared results to model calculations. JOUR NIMBE 259 829

A=172

No references found

A=173

- ¹⁷³Lu 2007TI03 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)⁷Be / ²⁴Na / ⁵⁹Fe / ⁸⁶Rb / ^{101m}Rh / ¹⁷³Lu / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁶Au / ¹⁹⁹Tl / ²⁰⁰Tl / ²⁰³Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289
- ¹⁷³Hf 2007VL01 NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E ≈ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219

A=174

- ¹⁷⁴Yb 2007KA27 RADIOACTIVITY ¹⁷⁸Hf(α); measured partial half lives and hindrance factors. JOUR PRVCA 75 057301
- ¹⁷⁴Re 2007ZH21 NUCLEAR REACTIONS ¹⁵²Sm(²⁷Al, 5n), E=140 MeV; measured Eγ, Iγ, γγ-coin. ¹⁷⁴Re deduced high-spin levels, J, π, identified new rotational band. JOUR CPLEE 24 1203

A=175

- ¹⁷⁵Hf 2007VL01 NUCLEAR REACTIONS ^{72,74}Ge(n, α), ^{72,73}Ge(n, p), ^{174,176}Hf(n, 2n), E ≈ 8-11.5 MeV; measured σ. Activation method, comparison with previous results. JOUR JRNCD 272 219

A=176

- ¹⁷⁶Yb 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
- ¹⁷⁶Lu 2007WA08 NUCLEAR REACTIONS ¹⁷⁶Lu(γ, γ'), E=2.3, 3.1 MeV bremsstrahlung; measured Eγ, Iγ. ¹⁷⁶Lu deduced transitions, B(M1), B(E1), strength distribution. JOUR PRVCA 75 034301

A=177

- ¹⁷⁷Lu 2007WIZZ NUCLEAR REACTIONS ^{176m}Lu(n, γ), E=spectrum; measured cross section using activation technique. CONF Geneva(NIC-IX) 186
- ¹⁷⁷Ta 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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=178

- ¹⁷⁸Hf 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
- 2007HA05 NUCLEAR REACTIONS ¹⁷⁸Hf(¹³⁶Xe, ¹³⁶Xe'), E=650 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin following Coulomb excitation. Ta(¹⁷⁸Hf, ¹⁷⁸Hf'), E \approx 700-850 MeV; measured isomer production σ . ¹⁷⁸Hf deduced levels, J, π , rotational bands, transition matrix elements, K-mixing features. Gammasphere, Chico arrays. JOUR PRVCA 75 034308
- 2007KA27 RADIOACTIVITY ¹⁷⁸Hf(α); measured partial half lives and hindrance factors. JOUR PRVCA 75 057301
- 2007LA14 RADIOACTIVITY ¹⁷⁸Ta(EC) [from ¹⁷⁹Hf(p, 2n)]; measured E γ , I γ and internal conversion electron spectra. ¹⁷⁸Hf deduced energy of the 8₂⁻ level. JOUR BRSP 71 441
- ¹⁷⁸Ta 2007LA14 RADIOACTIVITY ¹⁷⁸Ta(EC) [from ¹⁷⁹Hf(p, 2n)]; measured E γ , I γ and internal conversion electron spectra. ¹⁷⁸Hf deduced energy of the 8₂⁻ level. JOUR BRSP 71 441
- 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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=179

No references found

A=180

- ¹⁸⁰Hf 2007NG03 NUCLEAR REACTIONS ¹⁸⁰Hf(¹³⁶Xe, X)¹⁸⁰Hf / ¹⁸²Hf, E=750 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ^{180,182}Hf deduced levels, J, π , rotational and vibrational bands features. Gammasphere, Chico arrays. JOUR PRVCA 75 034305

A=180 (continued)

- 2007SH15 NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, $(n, 2n)$, $^{197}\text{Au}(n, \gamma)$, (n, α) , $(n, 2n)$, $(n, 4n)$, $(n, 6n)$, $(n, 7n)$, $(n, 8n)$, $(n, 6np)$, $^{59}\text{Co}(n, \alpha)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, $^{181}\text{Ta}(n, \gamma)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, (n, np) , E=spectrum; measured spectrum-averaged σ . Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
- ^{180}Ta 2007GOZZ NUCLEAR REACTIONS $^{181}\text{Ta}(\gamma, n)$, E=9-13 MeV; measured partial and total photoneutron cross sections. CONF Geneva(NIC-IX) 253
- 2007SH15 NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, $(n, 2n)$, $^{197}\text{Au}(n, \gamma)$, (n, α) , $(n, 2n)$, $(n, 4n)$, $(n, 6n)$, $(n, 7n)$, $(n, 8n)$, $(n, 6np)$, $^{59}\text{Co}(n, \alpha)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, $^{181}\text{Ta}(n, \gamma)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, (n, np) , E=spectrum; measured spectrum-averaged σ . Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307

A=181

- ^{181}W 2007KAZY NUCLEAR REACTIONS $^{180}\text{W}(n, \gamma)$, E=thermal; measured capture σ . $^{180,184,186}\text{W}(n, \gamma)$, E=thermal; measured delayed $E\gamma$, $I\gamma$; deduced production rate. Use of ^{181}W as neutrino source discussed. PREPRINT arXiv:0704.3042v2 [nucl-ex]

A=182

- ^{182}Hf 2007NG03 NUCLEAR REACTIONS $^{180}\text{Hf}(^{136}\text{Xe}, X)^{180}\text{Hf} / ^{182}\text{Hf}$, E=750 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. $^{180,182}\text{Hf}$ deduced levels, J, π , rotational and vibrational bands features. Gammasphere, Chico arrays. JOUR PRVCA 75 034305
- ^{182}Ta 2007SH15 NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, $(n, 2n)$, $^{197}\text{Au}(n, \gamma)$, (n, α) , $(n, 2n)$, $(n, 4n)$, $(n, 6n)$, $(n, 7n)$, $(n, 8n)$, $(n, 6np)$, $^{59}\text{Co}(n, \alpha)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, $^{181}\text{Ta}(n, \gamma)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, (n, np) , E=spectrum; measured spectrum-averaged σ . Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307
- ^{182}Pb 2006SE18 NUCLEAR MOMENTS $^{182,183,184,185,186,187,188,189,190}\text{Pb}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225

A=183

- ^{183}Pb 2006SE18 NUCLEAR MOMENTS $^{182,183,184,185,186,187,188,189,190}\text{Pb}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225

A=184

- ^{184}Os 2006AV09 NUCLEAR MOMENTS $^{184,186,187,188,189,190,192}\text{Os}$; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217

A=184 (continued)

¹⁸⁴Pb 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=185

¹⁸⁵W 2007KAZY NUCLEAR REACTIONS ¹⁸⁰W(n, γ), E=thermal; measured capture σ . ^{180,184,186}W(n, γ), E=thermal; measured delayed E γ , I γ ; deduced production rate. Use of ¹⁸¹W as neutrino source discussed. PREPRINT arXiv:0704.3042v2 [nucl-ex]

¹⁸⁵Pb 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

¹⁸⁶Os 2006AV09 NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217

¹⁸⁶Pb 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=187

¹⁸⁷W 2007KAZY NUCLEAR REACTIONS ¹⁸⁰W(n, γ), E=thermal; measured capture σ . ^{180,184,186}W(n, γ), E=thermal; measured delayed E γ , I γ ; deduced production rate. Use of ¹⁸¹W as neutrino source discussed. PREPRINT arXiv:0704.3042v2 [nucl-ex]

¹⁸⁷Os 2006AV09 NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217

2007M017 NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E=1 eV to 1 MeV; measured cross section at the CERN n_TOF facility. ¹⁸⁷Os(n, n'), E=30 keV; measured inelastic scattering cross section. JOUR PPNDP 59 165

2007SEZY NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=low; measured prompt γ ray, cross sections. ¹⁸⁷Os(n, n'), E=10-70 keV; measured cross sections. CONF Geneva(NIC-IX) 054

¹⁸⁷Pt 2007CAZV NUCLEAR REACTIONS ¹⁸¹Ta(¹¹B, 5n), E=71 MeV; measured E γ , I γ . ¹⁸⁷Pt deduced high spin levels, J, π , shape coexistence. CONF Iguazu(Nuclear Physics and Applications) Proc,P448,Cardona

2007ZH09 NUCLEAR REACTIONS ¹⁷³Yb(¹⁸O, 4n), E=78, 85 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁷Pt deduced high-spin levels, J, π , configurations, B(M1) / B(E2). Comparison with model predictions. JOUR PRVCA 75 034314

A=187 (continued)

¹⁸⁷Pb 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=188

¹⁸⁸Os 2006AV09 NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
2007M017 NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E=1 eV to 1 MeV; measured cross section at the CERN n_TOF facility. ¹⁸⁷Os(n, n'), E=30 keV; measured inelastic scattering cross section. JOUR PPNPD 59 165
2007SEZY NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=low; measured prompt γ ray, cross sections. ¹⁸⁷Os(n, n'), E=10-70 keV; measured cross sections. CONF Geneva(NIC-IX) 054

¹⁸⁸Pb 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

¹⁸⁹Os 2006AV09 NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
2007M017 NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E=1 eV to 1 MeV; measured cross section at the CERN n_TOF facility. ¹⁸⁷Os(n, n'), E=30 keV; measured inelastic scattering cross section. JOUR PPNPD 59 165

¹⁸⁹Tl 2007CH41 NUCLEAR REACTIONS ¹⁶⁵Ho(²⁸Si, 4n)¹⁸⁹Tl, E=138 MeV; measured E γ , I γ , lifetimes of high spin states using recoil distance measurement technique. Deduced transition quadrupole moment and deformation parameters. JOUR PRVCA 75 054323

¹⁸⁹Pb 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=190

¹⁹⁰Os 2006AV09 NUCLEAR MOMENTS ^{184,186,187,188,189,190,192}Os; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
2007SEZY NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=low; measured prompt γ ray, cross sections. ¹⁸⁷Os(n, n'), E=10-70 keV; measured cross sections. CONF Geneva(NIC-IX) 054

¹⁹⁰Ir 2007PA14 NUCLEAR REACTIONS ¹⁹¹Ir(n, 2n), E=10.0-11.3 MeV; measured activation σ , isomer ratio. Comparison with statistical model predictions. JOUR PRVCA 75 034607

A=190 (continued)

- 2007TI03 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^7\text{Be}$ / ^{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 $^{232}\text{Th}(n, \gamma)$, (n, 2n), $^{197}\text{Au}(n, \gamma)$, (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), $^{59}\text{Co}(n, \alpha)$, (n, 2n), (n, 4n), (n, 5n), $^{181}\text{Ta}(n, \gamma)$, (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 $^{188,190,192}\text{Pt}(\alpha, 2n)^{190,192,194}\text{Pt}$, 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 $^{182,183,184,185,186,187,188,189,190}\text{Pb}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization spectroscopy. JOUR HYIND 171 225

A=191

- ^{191}Ir 2007LA18 RADIOACTIVITY $^{191}\text{Pt}(\text{EC})$; measured E_γ , I_γ . ^{191}Ir deduced level energies. JOUR BRSPE 71 742
- ^{191}Pt 2007LA18 RADIOACTIVITY $^{191}\text{Pt}(\text{EC})$; measured E_γ , I_γ . ^{191}Ir deduced level energies. JOUR BRSPE 71 742
- 2007SH15 NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, (n, 2n), $^{197}\text{Au}(n, \gamma)$, (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), $^{59}\text{Co}(n, \alpha)$, (n, 2n), (n, 4n), (n, 5n), $^{181}\text{Ta}(n, \gamma)$, (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 2007SH15 NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, (n, 2n), $^{197}\text{Au}(n, \gamma)$, (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), $^{59}\text{Co}(n, \alpha)$, (n, 2n), (n, 4n), (n, 5n), $^{181}\text{Ta}(n, \gamma)$, (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 $^{184,186,187,188,189,190,192}\text{Os}$; measured hfs, isotope shifts. Laser spectroscopy. JOUR HYIND 171 217
- ^{192}Ir 2007TI03 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^7\text{Be}$ / ^{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}Au 2007SH15 NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, (n, 2n), $^{197}\text{Au}(n, \gamma)$, (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), $^{59}\text{Co}(n, \alpha)$, (n, 2n), (n, 4n), (n, 5n), $^{181}\text{Ta}(n, \gamma)$, (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 (continued)

¹⁹²Hg 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=193

¹⁹³Os 2007ZAZZ RADIOACTIVITY ¹⁹³Os(β^-); measured E γ , $\gamma\gamma$ angular correlation. ¹⁹³Ir deduced multipole mixing ratio. CONF Iguazu(Nuclear Physics and Applications) Proc,P442,Zahn

¹⁹³Ir 2007ZAZZ RADIOACTIVITY ¹⁹³Os(β^-); measured E γ , $\gamma\gamma$ angular correlation. ¹⁹³Ir deduced multipole mixing ratio. CONF Iguazu(Nuclear Physics and Applications) Proc,P442,Zahn

A=194

¹⁹⁴Re 2007KUZZ RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ²⁰⁸Pb fragmentation]; measured T_{1/2}. Comparison with model predictions. CONF Geneva(NIC-IX) 008

¹⁹⁴Ir 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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

¹⁹⁴Pt 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

¹⁹⁴Au 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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

¹⁹⁴Hg 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=195

¹⁹⁵Re 2007KUZZ RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ²⁰⁸Pb fragmentation]; measured T_{1/2}. Comparison with model predictions. CONF Geneva(NIC-IX) 008

A=196

- ¹⁹⁶Re 2007KUZZ RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ²⁰⁸Pb fragmentation]; measured T_{1/2}. Comparison with model predictions. CONF Geneva(NIC-IX) 008
- ¹⁹⁶Pt 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501
- ¹⁹⁶Au 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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, ²⁰⁸Pb, ²⁰⁹Bi(p, X)⁷Be / ²⁴Na / ⁵⁹Fe / ⁸⁶Rb / ^{101m}Rh / ¹⁷³Lu / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁶Au / ¹⁹⁹Tl / ²⁰⁰Tl / ²⁰³Pb, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

A=197

- ¹⁹⁷Bi 2007MU07 NUCLEAR REACTIONS ¹⁰⁹Ag(⁸⁸Kr, γ), ¹⁰⁹Ag(⁹²Kr, γ); E= 2.2 MeV / nucleon; measured E γ , I γ , (particle) γ -coinc using MINIBALL. Deduced B(E2). JOUR PPNPD 59 361

A=198

- ¹⁹⁸Ir 2007KUZZ RADIOACTIVITY ^{194,195,196}Re, ^{198,202}Ir [from ²⁰⁸Pb fragmentation]; measured T_{1/2}. Comparison with model predictions. CONF Geneva(NIC-IX) 008
- ¹⁹⁸Au 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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
- ¹⁹⁸Tl 2007KU09 NUCLEAR REACTIONS ¹⁹⁷Au(α , n), (α , 2n), (α , 3n), E=14-36 MeV; measured E γ , I γ . Deduced excitation functions using stack activation technique. JOUR PANUE 70 613

A=199

- ¹⁹⁹Tl 2007AS04 NUCLEAR REACTIONS ²⁰³Tl(γ , n), (γ , 2n), (γ , 3n), (γ , 4n), E γ =50 MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ -ray spectra from the residual activity of the irradiated sample. JOUR BRSPPE 71 332
- 2007KU09 NUCLEAR REACTIONS ¹⁹⁷Au(α , n), (α , 2n), (α , 3n), E=14-36 MeV; measured E γ , I γ . Deduced excitation functions using stack activation technique. JOUR PANUE 70 613

A=199 (continued)

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

A=200

- ^{200}Tl 2007AS04 NUCLEAR REACTIONS $^{203}\text{Tl}(\gamma, n)$, $(\gamma, 2n)$, $(\gamma, 3n)$, $(\gamma, 4n)$, $E_\gamma=50$ MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ -ray spectra from the residual activity of the irradiated sample. JOUR BRSPE 71 332
- 2007KU09 NUCLEAR REACTIONS $^{197}\text{Au}(\alpha, n)$, $(\alpha, 2n)$, $(\alpha, 3n)$, E=14-36 MeV; measured E_γ , I_γ . Deduced excitation functions using stack activation technique. JOUR PANUE 70 613
- 2007TI03 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^7\text{Be} / ^{24}\text{Na} / ^{59}\text{Fe} / ^{86}\text{Rb} / ^{101m}\text{Rh} / ^{173}\text{Lu} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{196}\text{Au} / ^{199}\text{Tl} / ^{200}\text{Tl} / ^{203}\text{Pb}$, E=0.04-2.6 GeV; measured excitation functions. Comparison with model predictions and previous data. JOUR PRAMC 68 289

A=201

- ^{201}Tl 2007AS04 NUCLEAR REACTIONS $^{203}\text{Tl}(\gamma, n)$, $(\gamma, 2n)$, $(\gamma, 3n)$, $(\gamma, 4n)$, $E_\gamma=50$ MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ -ray spectra from the residual activity of the irradiated sample. JOUR BRSPE 71 332
- ^{201}Bi 2007MU07 NUCLEAR REACTIONS $^{109}\text{Ag}(^{88}\text{Kr}, \gamma)$, $^{109}\text{Ag}(^{92}\text{Kr}, \gamma)$; E= 2.2 MeV / nucleon; measured E_γ , I_γ , (particle) γ -coinc using MINIBALL. Deduced B(E2). JOUR PPNPD 59 361

A=202

- ^{202}Ir 2007KUZZ RADIOACTIVITY $^{194,195,196}\text{Re}$, $^{198,202}\text{Ir}$ [from ^{208}Pb fragmentation]; measured $T_{1/2}$. Comparison with model predictions. CONF Geneva(NIC-IX) 008
- ^{202}Tl 2007AS04 NUCLEAR REACTIONS $^{203}\text{Tl}(\gamma, n)$, $(\gamma, 2n)$, $(\gamma, 3n)$, $(\gamma, 4n)$, $E_\gamma=50$ MeV Bremsstrahlung; measured photonuclear cross sections by detecting γ -ray spectra from the residual activity of the irradiated sample. JOUR BRSPE 71 332

A=203

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

A=204

- ²⁰⁴Pb 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=205

- ²⁰⁵Pb 2007C007 RADIOACTIVITY ²⁰⁹Po(α); measured decay rates from standard source; deduced possible error in previously published T_{1/2}. JOUR ARISE 65 728
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=206

- ²⁰⁶Pb 2007B0ZZ RADIOACTIVITY ²¹⁰Po(α); measured E γ , I γ , $\alpha\gamma$ -coinc and bremsstrahlung photons. Deduced differential emission probability and angular correlations PREPRINT arXiv:0706.2109v1 [nucl-ex]
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=207

- ²⁰⁷Pb 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=208

- ²⁰⁸Pb 2007BL10 NUCLEAR REACTIONS ¹²C, ²⁰⁸Pb(n, n), E=96 MeV; Fe, Pb, U(n, pX), (n, dX), (n, tX), E=96 MeV; measured $\sigma(\theta)$. ¹⁸¹Ta, W, ¹⁹⁷Au, Pb, ²⁰⁸Pb(n, F), E=20-200 MeV; measured fission σ . Cu(n, X)⁵⁶Co, E=50-180 MeV; measured σ . JOUR PRAMC 68 269
- 2007ME09 NUCLEAR REACTIONS ¹²⁷I(μ^- , ν), (μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), (μ^- , $6n\nu$), E at rest; ¹⁹⁷Au(μ^- , $n\nu$), (μ^- , $3n\nu$), E at rest; ²⁰⁹Bi(μ^- , $n\nu$), (μ^- , $2n\nu$), (μ^- , $3n\nu$), (μ^- , $4n\nu$), (μ^- , $5n\nu$), E at rest; measured E γ , I γ , X-ray spectra. JOUR PRVCA 75 045501

A=209

- ²⁰⁹Bi 2006M042 NUCLEAR MOMENTS ²⁰⁹Bi; measured hfs. Resonance ionization spectroscopy. JOUR HYIND 171 135
- 2007K023 NUCLEAR REACTIONS ²⁰⁹Bi(⁶He, 2n α), E=22.5 MeV; measured En, E α , n α -coin, $\sigma(\theta)$; deduced reaction mechanism features. ⁶He level deduced B(E2). JOUR PRVCA 75 031302
- ²⁰⁹Po 2007C007 RADIOACTIVITY ²⁰⁹Po(α); measured decay rates from standard source; deduced possible error in previously published T_{1/2}. JOUR ARISE 65 728

A=210

- ²¹⁰Bi 2007BIZY NUCLEAR REACTIONS ²⁰⁹Bi(n, γ), E=spectrum; measured cross section. CONF Geneva(NIC-IX) 077
- 2007ST08 NUCLEAR REACTIONS ²⁰⁹Bi(n, γ)^{210m}Bi, E=thermal; measured cross section using accelerator mass spectrometry. JOUR NIMBE 259 739
- ²¹⁰Po 2007B0ZZ RADIOACTIVITY ²¹⁰Po(α); measured E γ , I γ , $\alpha\gamma$ -coinc for bremsstrahlung photons. Deduced differential emission probability and angular correlations PREPRINT arXiv:0706.2109v1 [nucl-ex]

A=211

No references found

A=212

No references found

A=213

No references found

A=214

- ²¹⁴Th 2007LE14 RADIOACTIVITY ^{218,219}U(α) [from ¹⁸²W(⁴⁰Ar, X)]; measured E α , T_{1/2}. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307

A=215

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| ^{215}Rn | 2007DEZV | NUCLEAR REACTIONS $^{207}\text{Pb}(^{18}\text{O}, 2n2\alpha)$, $E=93$ MeV; measured $E\gamma$, $E\alpha$, $\gamma\gamma\alpha$ 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 $^{218,219}\text{U}(\alpha)$ [from $^{182}\text{W}(^{40}\text{Ar}, \text{X})$]; measured $E\alpha$, $T_{1/2}$. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307 |

A=216

No references found

A=217

No references found

A=218

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|------------------|----------|--|
| ^{218}U | 2007LE14 | RADIOACTIVITY $^{218,219}\text{U}(\alpha)$ [from $^{182}\text{W}(^{40}\text{Ar}, \text{X})$]; measured $E\alpha$, $T_{1/2}$. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307 |
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A=219

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|------------------|----------|--|
| ^{219}U | 2007LE14 | RADIOACTIVITY $^{218,219}\text{U}(\alpha)$ [from $^{182}\text{W}(^{40}\text{Ar}, \text{X})$]; measured $E\alpha$, $T_{1/2}$. Deduced hindrance factors and reduced widths. JOUR PRVCA 75 054307 |
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A=220

No references found

A=221

No references found

A=222

No references found

A=223

No references found

A=224

No references found

A=225

No references found

A=226

No references found

A=227

No references found

A=228

No references found

A=229

²²⁹Th 2007BE16 RADIOACTIVITY ²³³U(α); measured E γ , I γ . ²²⁹Th deduced excited state energy. JOUR PRLTA 98 142501

A=230

No references found

A=231

²³¹Th 2007SH15 NUCLEAR REACTIONS ²³²Th(n, γ), (n, 2n), ¹⁹⁷Au(n, γ), (n, α), (n, 2n), (n, 4n), (n, 6n), (n, 7n), (n, 8n), (n, 6np), ⁵⁹Co(n, α), (n, 2n), (n, 4n), (n, 5n), ¹⁸¹Ta(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

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|-------------------|----------|---|
| ^{233}Th | 2007SH15 | NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, $(n, 2n)$, $^{197}\text{Au}(n, \gamma)$, (n, α) , $(n, 2n)$, $(n, 4n)$, $(n, 6n)$, $(n, 7n)$, $(n, 8n)$, $(n, 6np)$, $^{59}\text{Co}(n, \alpha)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, $^{181}\text{Ta}(n, \gamma)$, $(n, 2n)$, $(n, 4n)$, $(n, 5n)$, (n, np) , E=spectrum; measured spectrum-averaged σ . Spallation neutrons from proton-induced reaction. JOUR PRAMC 68 307 |
| ^{233}U | 2007BE16 | RADIOACTIVITY $^{233}\text{U}(\alpha)$; measured $E\gamma$, $I\gamma$. ^{229}Th deduced excited state energy. JOUR PRLTA 98 142501 |

A=234

No references found

A=235

No references found

A=236

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|-------------------|----------|--|
| ^{236}Th | 2007XU04 | NUCLEAR REACTIONS $^{238}\text{U}(^{18}\text{O}, ^{20}\text{Ne})$, E=60 MeV / nucleon; measured $E\gamma$, $I\gamma$; deduced σ . JOUR JRNCD 272 227 |
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A=237

No references found

A=238

No references found

A=239

No references found

A=240

- ²⁴⁰Am 2007PE07 NUCLEAR REACTIONS ²⁴¹Am(n, 2n), E=8.8-11.1 MeV; measured σ . Activation method. Comparison with model predictions, previous results. JOUR JRNCD 272 223
- ²⁴⁰Cf 2007HI04 NUCLEAR REACTIONS ²⁰⁸Pb(³²S, X)²⁴⁰Cf, ²⁰⁶Pb(³⁴S, X)²⁴⁰Cf, ²⁰⁴Pb(³⁶S, X)²⁴⁰Cf, E=152-212 MeV; measured σ , fusion excitation functions, fission anisotropies. Deduced fusion barrier energy systematics. JOUR PRVCA 75 054603

A=241

No references found

A=242

No references found

A=243

No references found

A=244

No references found

A=245

No references found

A=246

No references found

A=247

No references found

A=248

No references found

A=249

No references found

A=250

No references found

A=251

^{251}Md	2007CH26	NUCLEAR REACTIONS $^{205}\text{Tl}(^{48}\text{Ca}, 2n)$, E=211, 214, 217 MeV; measured E_γ , I_γ , $\gamma\gamma$ -, (recoil) γ -coin; deduced σ . ^{251}Md deduced high-spin levels, J, π , configurations. Jurogam array, recoil-decay tagging. JOUR PRLTA 98 132503
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A=252

^{252}Cf	2007DI09	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured E_γ , I_γ , $\gamma\gamma$ -coin using the Gammasphere array. ^{108}Mo deduced level energies, J, π . JOUR CPLEE 24 1517
	2007GR08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured fission fragment energy distributions using a hybrid semiconductor detector. JOUR NIMAE 574 472
	2007LI21	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured E_γ , I_γ , $\gamma\gamma$ -coin. $^{137,138}\text{Cs}$ deduced high-spin levels, J, π , configurations. Gammasphere array, comparison with shell model predictions. JOUR PRVCA 75 044314
	2007ZH24	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured E_γ , I_γ , $\gamma\gamma\gamma$ -coin with Gammasphere. A=99-114; deduced new band structures and significant extensions of previously known bands. JOUR PPNPD 59 329

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