

Recent References:
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This document lists experimental references added to Nuclear Science References (NSR) during the period April 1, 2006 to June 30, 2006. 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 2003BE77 NUCLEAR REACTIONS ³He(γ , 2p), (γ , p), E=0.3-1.6 GeV; measured $\sigma(E, \theta)$. Other reaction channels discussed. JOUR MPLAE 18 225
- 2003IS19 NUCLEAR REACTIONS ²H(p, 2p), E=13 MeV; measured E_p , pp=coin, $\sigma(\theta)$; deduced no space star anomaly. JOUR MPLAE 18 436
- 2005G047 NUCLEAR REACTIONS ³H(α , d α), E=67.2 MeV; measured deuteron and α spectra, d α -coin. ⁵He deduced excited state energy, width. JOUR BRSPPE 69 838
- 2005G048 NUCLEAR REACTIONS ³H(α , d α), (α , 2d), E=67.2 MeV; measured deuteron and α spectra, dd-, d α -coin. ⁵He deduced excited states energy, widths. Kinematically complete experiment. JOUR BRSPPE 69 841
- 2006ANZY NUCLEAR REACTIONS ³He(polarized e, e'), E=0.778, 1.727 GeV; measured spin-dependent transverse asymmetry vs momentum transfer; deduced final-state interaction and meson exchange current effects. ¹n deduced magnetic form factor. Polarized target. PREPRINT nucl-ex/0605006,5/9/2006
- 2006CH23 NUCLEAR REACTIONS ¹H(polarized d, np), (polarized d, 2p), E at 2.4 GeV / c; measured vector and tensor analyzing powers. Comparison with impulse approximation calculations. JOUR PYLBB 637 170
- 2006DI06 NUCLEAR REACTIONS ¹H(e⁺, e⁺ π^+), E=27.6 GeV; measured $\sigma(Q^2)$. Comparison with model predictions. Other measurements reviewed. JOUR NPBSE 152 96
- 2006KH04 RADIOACTIVITY ¹n(β^-); measured $\beta p \gamma$ -coin; deduced branching ratio for radiative decay. JOUR JTPLA 83 5
- 2006KL04 NUCLEAR REACTIONS ²H(e, e'p), E=5.75 GeV; measured electron and proton spectra, missing mass, $\sigma(Q^2)$; deduced final state interaction effects. Spectator tagging technique, comparison with PWIA model predictions. JOUR PRVCA 73 035212
- 2006NA10 NUCLEAR REACTIONS ³He(γ , p), (γ , 2p), E=10.2, 16.0 MeV; measured charged particle spectra, σ . Comparison with model predictions. JOUR PRVCA 73 034003
- ¹H 2003GI16 NUCLEAR REACTIONS ¹H(polarized γ , π^0), E \approx 0.8-3.5 GeV; measured recoil proton polarization; deduced possible resonance contributions. JOUR MPLAE 18 286
- 2003SE18 NUCLEAR REACTIONS ¹H(polarized d, d), E=135 MeV / nucleon; measured polarization transfer coefficients; deduced three-nucleon force effects. JOUR MPLAE 18 327
- 2003T033 NUCLEAR REACTIONS ²H(polarized γ , n), E=2.39-4.05 MeV; measured analyzing power. Comparison with model predictions. JOUR MPLAE 18 282
- 2006AN10 NUCLEAR REACTIONS ¹H(polarized e, e), E=3.03 GeV; measured parity-violating weak asymmetry; deduced strange form factors. Comparison with other results. JOUR PYLBB 635 275
- 2006CH23 NUCLEAR REACTIONS ¹H(polarized d, np), (polarized d, 2p), E at 2.4 GeV / c; measured vector and tensor analyzing powers. Comparison with impulse approximation calculations. JOUR PYLBB 637 170

A=1 (continued)

- 2006D009 NUCLEAR REACTIONS $^1\text{H}(^{28}\text{Ne}, ^{28}\text{Ne}')$, ($^{28}\text{Ne}, ^{27}\text{Ne}$), $E=51.3$ MeV / nucleon; measured E_γ , I_γ . $^{27,28}\text{Ne}$ deduced levels, possible J , π , $B(E2)$, neutron quadrupole transition matrix element. $^{181}\text{Ta}(^{40}\text{Ar}, X)^{23}\text{Ne}$ / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne , $E=94$ MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- 2006EL03 NUCLEAR REACTIONS $^{181}\text{Ta}(^{40}\text{Ar}, X)$, $E=94$ MeV / nucleon; measured fragment yields. $^1\text{H}(^{31}\text{Na}, ^{31}\text{Na}')$, ($^{30}\text{Na}, ^{30}\text{Na}'$), ($^{31}\text{Na}, ^{30}\text{Na}$), ($^{34}\text{Mg}, ^{34}\text{Mg}'$), ($^{34}\text{Mg}, ^{33}\text{Mg}$), ($^{33}\text{Mg}, ^{33}\text{Mg}'$), $E \approx 50$ MeV / nucleon; measured E_γ , I_γ , σ . $^{30,31}\text{Na}$, $^{33,34}\text{Mg}$ deduced transition energies, deformation parameters. ^{30}Na deduced excited state energy. JOUR PRVCA 73 044314
- 2006G011 NUCLEAR REACTIONS $^2\text{H}(n, 2n)$, $E=13$ MeV; measured E_n , nn-coin, $\sigma(\theta(1), \theta(2))$; deduced neutron-neutron scattering length, no significant three-nucleon force effects. Comparison with model predictions and previous measurements. JOUR PRVCA 73 034001
- 2006IS02 NUCLEAR REACTIONS $^9\text{Be}(^7\text{Li}, ^8\text{Li})$, $E=24$ MeV; $^2\text{H}(^{11}\text{B}, ^{12}\text{B})$, $E=40$ MeV; $^2\text{H}(^{18}\text{O}, ^{16}\text{N})$, $E=73$ MeV; measured particle spectra, yields. Radioactive beam production. JOUR NIMAE 560 366
- 2006KH04 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $\beta p \gamma$ -coin; deduced branching ratio for radiative decay. JOUR JTPLA 83 5
- 2006MC03 NUCLEAR REACTIONS $^2\text{H}(\gamma, \text{K}^+\text{K}^-n)$, $E=0.8-3.6$ GeV; measured invariant mass spectra; deduced no narrow pentaquark resonance. Tagged photons. JOUR PRLTA 96 212001
- 2006SKZZ NUCLEAR REACTIONS $^1\text{H}(^{18}\text{Na}, ^{18}\text{Na})$, E not given; measured excitation function for resonance elastic scattering. ^{19}Ne deduced level, J , π . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P601,Skorodumov
- 2006WI09 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } p, p)$, ($\text{polarized } p, d$), $E=22.7$ MeV; measured spin transfer coefficients. Comparison with model predictions using various potentials. JOUR PRVCA 73 044004

A=2

- ^2H 2003BE77 NUCLEAR REACTIONS $^3\text{He}(\gamma, 2p)$, (γ, p), $E=0.3-1.6$ GeV; measured $\sigma(E, \theta)$. Other reaction channels discussed. JOUR MPLAE 18 225
- 2003MB06 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } n, n)$, $E=245$ MeV; measured $\sigma(\theta)$, $A_\gamma(\theta)$. JOUR MPLAE 18 298
- 2003SA69 NUCLEAR REACTIONS $^2\text{H}, ^3\text{He}(e, e'p)$, $E=4.8$ GeV; measured $\sigma(E, \theta)$, asymmetry. Comparison with model predictions. JOUR MPLAE 18 235
- 2003SH45 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } p, p)$, $E=250$ MeV; measured $\sigma(\theta)$, $A_\gamma(\theta)$, polarization transfer coefficients. JOUR MPLAE 18 313
- 2003TA43 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } p, p)$, $E=392$ MeV; measured $\sigma(\theta)$, $A_\gamma(\theta)$. Comparison with model predictions. JOUR MPLAE 18 440
- 2003T032 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } n, n)$, $E=1.2, 1.9$ MeV; measured $A_\gamma(\theta)$; deduced electromagnetic effects. JOUR MPLAE 18 258

A=2 (continued)

- 2006D009 NUCLEAR REACTIONS $^1\text{H}(^{28}\text{Ne}, ^{28}\text{Ne}')$, ($^{28}\text{Ne}, ^{27}\text{Ne}$), $E=51.3$ MeV / nucleon; measured E_γ , I_γ . $^{27,28}\text{Ne}$ deduced levels, possible J, π , B(E2), neutron quadrupole transition matrix element. $^{181}\text{Ta}(^{40}\text{Ar}, \text{X})^{23}\text{Ne}$ / ^{24}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne , $E=94$ MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- 2006EL03 NUCLEAR REACTIONS $^{181}\text{Ta}(^{40}\text{Ar}, \text{X})$, $E=94$ MeV / nucleon; measured fragment yields. $^1\text{H}(^{31}\text{Na}, ^{31}\text{Na}')$, ($^{30}\text{Na}, ^{30}\text{Na}'$), ($^{31}\text{Na}, ^{30}\text{Na}$), ($^{34}\text{Mg}, ^{34}\text{Mg}'$), ($^{34}\text{Mg}, ^{33}\text{Mg}$), ($^{33}\text{Mg}, ^{33}\text{Mg}'$), $E \approx 50$ MeV / nucleon; measured E_γ , I_γ , σ . $^{30,31}\text{Na}$, $^{33,34}\text{Mg}$ deduced transition energies, deformation parameters. ^{30}Na deduced excited state energy. JOUR PRVCA 73 044314
- 2006F004 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } n, n)$, $E=1.18, 5.0, 6.88, 9.0$ MeV; measured spin-dependent cross section difference. Polarized target, comparison with model predictions. JOUR PRVCA 73 034002
- 2006NA10 NUCLEAR REACTIONS $^3\text{He}(\gamma, p)$, ($\gamma, 2p$), $E=10.2, 16.0$ MeV; measured charged particle spectra, σ . Comparison with model predictions. JOUR PRVCA 73 034003
- 2006OS02 NUCLEAR REACTIONS $^2\text{H}(e, e)$, $E=2.474, 5.770$ GeV; measured elastic $\sigma(x, Q^2)$; deduced deuteron structure function, moments. Comparison with perturbative QCD calculations. JOUR PRVCA 73 045205
- 2006WI09 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } p, p)$, ($\text{polarized } p, d$), $E=22.7$ MeV; measured spin transfer coefficients. Comparison with model predictions using various potentials. JOUR PRVCA 73 044004

A=3

- ^3H 2003SA70 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } d, n)$, ($\text{polarized } d, p$), $E=200, 270$ MeV; measured tensor and vector analyzing powers. Comparison with model predictions. JOUR MPLAE 18 294
- 2005G048 NUCLEAR REACTIONS $^3\text{H}(\alpha, d\alpha)$, ($\alpha, 2d$), $E=67.2$ MeV; measured deuteron and α spectra, dd-, d α -coin. ^5He deduced excited states energy, widths. Kinematically complete experiment. JOUR BRSPE 69 841
- 2006LE19 NUCLEAR REACTIONS $^2\text{H}(d, p)$, (d, n), $E=120-650$ keV; measured E_p , E_n , $\sigma(E, \theta)$; deduced integrated σ . Astrophysical implications discussed. JOUR PRVCA 73 045801
- 2006MI10 NUCLEAR REACTIONS $^4\text{He}(p, 2p)$, $E=1$ GeV; measured proton spectra, pp-coin, polarization vs angle. $^4\text{He}(p, p)$, $E=1$ GeV; measured outgoing proton polarization vs angle. JOUR PANUE 69 452
- 2006R022 NUCLEAR REACTIONS $^6\text{Li}(n, \alpha)$, $E \approx 0.1-10000$ eV; measured E_α , $\sigma(E)$. Lead-slowing-down spectrometer. JOUR NIMAE 562 771
- ^3He 2003SA70 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } d, n)$, ($\text{polarized } d, p$), $E=200, 270$ MeV; measured tensor and vector analyzing powers. Comparison with model predictions. JOUR MPLAE 18 294
- 2003YA23 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } d, \gamma)$, $E=200$ MeV; measured $\sigma(\theta)$, analyzing powers; deduced three-nucleon force effects. JOUR MPLAE 18 322

A=3 (continued)

- 2006ANZY NUCLEAR REACTIONS ${}^3\text{He}(\text{polarized } e, e')$, $E=0.778, 1.727$ GeV; measured spin-dependent transverse asymmetry vs momentum transfer; deduced final-state interaction and meson exchange current effects. ${}^1\text{n}$ deduced magnetic form factor. Polarized target. PREPRINT nucl-ex/0605006,5/9/2006
- 2006BA29 NUCLEAR REACTIONS ${}^2\text{H}(\text{p}, \pi^+\pi^-)$, $(\text{p}, 2\pi^0)$, $E=0.893$ GeV; measured $\sigma(\theta)$, invariant mass distributions. Comparison with $\Delta\Delta$ -excitation calculations. JOUR PYLBB 637 223
- 2006KE05 NUCLEAR REACTIONS ${}^3\text{He}(\text{n}, \text{n})$, $E=\text{low}$; measured coherent scattering length. Neutron interferometry technique, comparison with previous results. JOUR ZAANE 27 243
- 2006KL03 NUCLEAR REACTIONS ${}^1\text{H}(\text{polarized } d, \gamma)$, $E=29, 45$ MeV; measured $E\gamma$, vector and tensor analyzing powers. Comparison with model predictions. JOUR PRVCA 73 034005
- 2006LE19 NUCLEAR REACTIONS ${}^2\text{H}(\text{d}, \text{p})$, (d, n) , $E=120\text{-}650$ keV; measured E_p , E_n , $\sigma(E, \theta)$; deduced integrated σ . Astrophysical implications discussed. JOUR PRVCA 73 045801
- 2006LE22 NUCLEAR REACTIONS Pb, Bi(p, X) ${}^3\text{He}$ / ${}^4\text{He}$ / ${}^{21}\text{Ne}$ / ${}^{22}\text{Ne}$ / ${}^{81}\text{Kr}$ / ${}^{82}\text{Kr}$ / ${}^{85}\text{Kr}$ / ${}^{126}\text{Xe}$ / ${}^{132}\text{Xe}$, $E \approx 10\text{-}2600$ MeV; measured production σ . JOUR NIMAE 562 760
- 2006M008 NUCLEAR MOMENTS ${}^3\text{He}$; measured isotope shift, hfs; deduced charge radius. JOUR PLRAA 73 034502
- 2006NIZY NUCLEAR REACTIONS ${}^4\text{He}(\gamma, \text{n})$, $E=23\text{-}70$ MeV; measured E_n , $\sigma(\theta)$; deduced angle-integrated total σ . Tagged photons, comparison with previous results. PREPRINT nucl-ex/0603030,3/29/2006

A=4

- ${}^4\text{He}$ 2006BH03 RADIOACTIVITY ${}^8\text{Li}(\beta^-\alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$]; ${}^8\text{B}(\beta^+\alpha)$ [from ${}^6\text{Li}({}^3\text{He}, \text{n})$]; measured β -delayed $E\alpha$; deduced final-state continuum shapes. R-matrix analysis, comparison with previous results. JOUR PRVCA 73 055802
- 2006BY01 NUCLEAR REACTIONS ${}^3\text{He}(\text{d}, \text{p})$, E at rest; measured $E\gamma$, E_p , reaction rates for muon-catalyzed fusion. JOUR ZDDNE 38 455
- 2006IS02 NUCLEAR REACTIONS ${}^9\text{Be}({}^7\text{Li}, {}^8\text{Li})$, $E=24$ MeV; ${}^2\text{H}({}^{11}\text{B}, {}^{12}\text{B})$, $E=40$ MeV; ${}^2\text{H}({}^{18}\text{O}, {}^{16}\text{N})$, $E=73$ MeV; measured particle spectra, yields. Radioactive beam production. JOUR NIMAE 560 366
- 2006LE22 NUCLEAR REACTIONS Pb, Bi(p, X) ${}^3\text{He}$ / ${}^4\text{He}$ / ${}^{21}\text{Ne}$ / ${}^{22}\text{Ne}$ / ${}^{81}\text{Kr}$ / ${}^{82}\text{Kr}$ / ${}^{85}\text{Kr}$ / ${}^{126}\text{Xe}$ / ${}^{132}\text{Xe}$, $E \approx 10\text{-}2600$ MeV; measured production σ . JOUR NIMAE 562 760
- 2006MI10 NUCLEAR REACTIONS ${}^4\text{He}(\text{p}, 2\text{p})$, $E=1$ GeV; measured proton spectra, pp-coin, polarization vs angle. ${}^4\text{He}(\text{p}, \text{p})$, $E=1$ GeV; measured outgoing proton polarization vs angle. JOUR PANUE 69 452
- 2006VA06 NUCLEAR REACTIONS ${}^4\text{He}({}^{15}\text{O}, {}^{15}\text{O})$, $E=12.5$ MeV; measured recoil α spectrum. ${}^{19}\text{F}$ deduced resonant state width. JOUR ZAANE 27 183

A=5

- ⁵He 2005G047 NUCLEAR REACTIONS ³H(α , d α), E=67.2 MeV; measured deuteron and α spectra, d α -coin. ⁵He deduced excited state energy, width. JOUR BRSPE 69 838
- 2005G048 NUCLEAR REACTIONS ³H(α , d α), (α , 2d), E=67.2 MeV; measured deuteron and α spectra, dd-, d α -coin. ⁵He deduced excited states energy, widths. Kinematically complete experiment. JOUR BRSPE 69 841

A=6

- ⁶Li 2005N016 NUCLEAR MOMENTS ^{6,8,9}Li; measured isotope shifts; deduced charge radii. JOUR HYIND 162 93

A=7

- ⁷He 2003TA41 NUCLEAR REACTIONS ⁷Li, ¹²C(e, e'K⁺), E \approx 1.8 GeV; measured missing mass spectra. ⁷He, ¹²B deduced hypernucleus levels, transitions. JOUR MPLAE 18 112
- 2006SK03 NUCLEAR REACTIONS ¹H(⁸He, d), E=15.7 MeV / nucleon; measured deuteron spectra, $\sigma(\theta)$; deduced spectroscopic factor. ⁷He deduced levels, J, π , resonant state. ⁸He deduced subshell closure. JOUR PRVCA 73 044301
- 2006YU03 NUCLEAR REACTIONS ⁷Li, ¹²C(e, e'K⁺), E=1.8 GeV; measured hypernucleus production associated missing mass spectra. ⁷He, ¹²B deduced hypernucleus level energies, J, π . JOUR PRVCA 73 044607
- ⁷Li 20050HZW RADIOACTIVITY ⁷Be(EC) [from ⁹Be(γ , 2n)]; measured E γ , I γ , T_{1/2} for source in beryllium metal. Environmental effects discussed. JOUR KKYHB 38 36
- 2006GI03 NUCLEAR REACTIONS ¹⁰B(n, α), E=1.5-5.6 MeV; measured σ . Comparison with model predictions, previous results. JOUR NIMAE 562 737
- 2006NA13 ATOMIC MASSES ⁷Li; measured mass. Penning trap spectrometer. Comparison with previous results. JOUR PRLTA 96 163004
- 2006RA07 RADIOACTIVITY ⁷Be(EC); measured T_{1/2} for source implanted in C₆₀ and gold foil; deduced environmental effects. JOUR PRVCA 73 034323
- ⁷Be 20050HZW RADIOACTIVITY ⁷Be(EC) [from ⁹Be(γ , 2n)]; measured E γ , I γ , T_{1/2} for source in beryllium metal. Environmental effects discussed. JOUR KKYHB 38 36
- 2006RA07 RADIOACTIVITY ⁷Be(EC); measured T_{1/2} for source implanted in C₆₀ and gold foil; deduced environmental effects. JOUR PRVCA 73 034323
- 2006TI06 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E \approx 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=8

- ⁸He 2006SK03 NUCLEAR REACTIONS ¹H(⁸He, d), E=15.7 MeV / nucleon; measured deuteron spectra, $\sigma(\theta)$; deduced spectroscopic factor. ⁷He deduced levels, J, π , resonant state. ⁸He deduced subshell closure. JOUR PRVCA 73 044301
- ⁸Li 2005N016 NUCLEAR MOMENTS ^{6,8,9}Li; measured isotope shifts; deduced charge radii. JOUR HYIND 162 93
- 2006BH03 RADIOACTIVITY ⁸Li($\beta^- \alpha$) [from ⁷Li(d, p)]; ⁸B($\beta^+ \alpha$) [from ⁶Li(³He, n)]; measured β -delayed E α ; deduced final-state continuum shapes. R-matrix analysis, comparison with previous results. JOUR PRVCA 73 055802
- ⁸Be 2006BAZV RADIOACTIVITY ⁸B(β^+); measured E β ; deduced ground-state transition branching ratio. REPT Univ Washington Annual 2006,P49,Bacrania
- 2006BE22 NUCLEAR REACTIONS ⁶Li(d, X)⁸Be, E at rest; measured T_{1/2} lower limit for molecular-nuclear transition. JOUR FBSYE 38 103
- 2006IS02 NUCLEAR REACTIONS ⁹Be(⁷Li, ⁸Li), E=24 MeV; ²H(¹¹B, ¹²B), E=40 MeV; ²H(¹⁸O, ¹⁶N), E=73 MeV; measured particle spectra, yields. Radioactive beam production. JOUR NIMAE 560 366
- 2006YI01 NUCLEAR REACTIONS ¹²C(¹⁸O, α ¹⁴C), (¹⁸O, α ¹⁶O), (¹⁸O, α ¹⁸O), E=140 MeV; measured charged particle spectra, angular correlations. ¹⁸O, ^{20,22}Ne deduced levels, J, π , configurations, cluster structure. JOUR PRVCA 73 034601
- ⁸B 2006BAZV RADIOACTIVITY ⁸B(β^+); measured E β ; deduced ground-state transition branching ratio. REPT Univ Washington Annual 2006,P49,Bacrania
- 2006BH03 RADIOACTIVITY ⁸Li($\beta^- \alpha$) [from ⁷Li(d, p)]; ⁸B($\beta^+ \alpha$) [from ⁶Li(³He, n)]; measured β -delayed E α ; deduced final-state continuum shapes. R-matrix analysis, comparison with previous results. JOUR PRVCA 73 055802

A=9

- ⁹Li 2005N016 NUCLEAR MOMENTS ^{6,8,9}Li; measured isotope shifts; deduced charge radii. JOUR HYIND 162 93
- ⁹Be 2003TA40 NUCLEAR REACTIONS ⁹Be(K⁻, π^-), E at 0.93 GeV / c; ¹⁶O(K⁻, π^-), (K⁻, π^- p), E at 0.93 GeV / c; measured E γ , I γ , (pion) γ -coin. ⁹Be, ¹⁵N, ¹⁶O deduced hypernucleus levels, transitions, Λ N interaction features. Hyperball array. JOUR MPLAE 18 85

A=10

- ¹⁰Be 2006CU01 NUCLEAR REACTIONS ¹⁰Be(¹⁴C, α ⁶He), E=88.5 MeV; measured particle spectra, σ . ¹⁰Be deduced level energies. ¹⁰Be(¹⁴C, ²⁶He), (¹⁴C, α ⁸He), E=88.5 MeV; measured σ upper limits. JOUR PRVCA 73 057301

A=10 (continued)

- 2006YI01 NUCLEAR REACTIONS $^{12}\text{C}(^{18}\text{O}, \alpha^{14}\text{C}), (^{18}\text{O}, \alpha^{16}\text{O}), (^{18}\text{O}, \alpha^{18}\text{O})$, E=140 MeV; measured charged particle spectra, angular correlations. ^{18}O , $^{20,22}\text{Ne}$ deduced levels, J, π , configurations, cluster structure. JOUR PRVCA 73 034601

A=11

- ^{11}B 2006M011 NUCLEAR REACTIONS $^{12}\text{C}(\gamma, \text{p})$, E=49.5-70.2 MeV; measured $E\gamma$, $I\gamma$, $\text{p}\gamma$ -coin, angular correlations. ^{11}B deduced transition intensities, branching ratios, level populations. JOUR PRVCA 73 044611

A=12

- ^{12}B 2003TA41 NUCLEAR REACTIONS $^7\text{Li}, ^{12}\text{C}(\text{e}, \text{e}'\text{K}^+)$, E \approx 1.8 GeV; measured missing mass spectra. ^7He , ^{12}B deduced hypernucleus levels, transitions. JOUR MPLAE 18 112
- 2006YU03 NUCLEAR REACTIONS $^7\text{Li}, ^{12}\text{C}(\text{e}, \text{e}'\text{K}^+)$, E=1.8 GeV; measured hypernucleus production associated missing mass spectra. ^7He , ^{12}B deduced hypernucleus level energies, J, π . JOUR PRVCA 73 044607
- ^{12}C 2006CU01 NUCLEAR REACTIONS $^{10}\text{Be}(^{14}\text{C}, \alpha^6\text{He})$, E=88.5 MeV; measured particle spectra, σ . ^{10}Be deduced level energies. $^{10}\text{Be}(^{14}\text{C}, ^2\text{He})$, ($^{14}\text{C}, \alpha^8\text{He}$), E=88.5 MeV; measured σ upper limits. JOUR PRVCA 73 057301
- 2006RA08 NUCLEAR REACTIONS $^{12}\text{C}(^{138}\text{Ce}, ^{138}\text{Ce}')$, E=480 MeV; measured $E\gamma$, $I\gamma$, angular distributions following projectile Coulomb excitation. ^{138}Ce deduced levels, J, π , B(M1), B(E2), B(E3), δ , mixed-symmetry state. Gammasphere array. JOUR PRLTA 96 122501
- 2006YI01 NUCLEAR REACTIONS $^{12}\text{C}(^{18}\text{O}, \alpha^{14}\text{C}), (^{18}\text{O}, \alpha^{16}\text{O}), (^{18}\text{O}, \alpha^{18}\text{O})$, E=140 MeV; measured charged particle spectra, angular correlations. ^{18}O , $^{20,22}\text{Ne}$ deduced levels, J, π , configurations, cluster structure. JOUR PRVCA 73 034601

A=13

No references found

A=14

- ^{14}C 2006CU01 NUCLEAR REACTIONS $^{10}\text{Be}(^{14}\text{C}, \alpha^6\text{He})$, E=88.5 MeV; measured particle spectra, σ . ^{10}Be deduced level energies. $^{10}\text{Be}(^{14}\text{C}, ^2\text{He})$, ($^{14}\text{C}, \alpha^8\text{He}$), E=88.5 MeV; measured σ upper limits. JOUR PRVCA 73 057301
- ^{14}N 2006SK04 NUCLEAR REACTIONS $^{13}\text{C}(\text{p}, \gamma)$, E=1747-1750 keV; measured resonance excitation function in crystal target. JOUR UKPJA 51 542

A=15

- ¹⁵N 2003TA40 NUCLEAR REACTIONS ⁹Be(K⁻, π⁻), E at 0.93 GeV / c; ¹⁶O(K⁻, π⁻), (K⁻, π⁻p), E at 0.93 GeV / c; measured Eγ, Iγ, (pion)γ-coin. ⁹Be, ¹⁵N, ¹⁶O deduced hypernucleus levels, transitions, ΛN interaction features. Hyperball array. JOUR MPLAE 18 85
- 2006BEZY NUCLEAR REACTIONS ¹⁴N(n, γ), E=thermal; measured Eγ, Iγ. Application to detector calibration discussed. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P565,Belgys
- 2006KOZY NUCLEAR REACTIONS ¹⁶O(p, 2p), E=392 MeV; measured Ep, Eγ, Iγ, pp-, pγ-coin. ¹⁵N deduced γ-emission probabilities for particle decay of s-hole state. PREPRINT nucl-ex/0604006,4/10/2006

A=16

- ¹⁶N 2005TAZR RADIOACTIVITY ¹⁶N(β⁻) [from ²H(¹⁵N, p)]; measured β-delayed Eα, (¹²C)α-coin. REPT ANL-05/61,P4,Tang
- ¹⁶O 2003TA40 NUCLEAR REACTIONS ⁹Be(K⁻, π⁻), E at 0.93 GeV / c; ¹⁶O(K⁻, π⁻), (K⁻, π⁻p), E at 0.93 GeV / c; measured Eγ, Iγ, (pion)γ-coin. ⁹Be, ¹⁵N, ¹⁶O deduced hypernucleus levels, transitions, ΛN interaction features. Hyperball array. JOUR MPLAE 18 85
- 2005TAZR RADIOACTIVITY ¹⁶N(β⁻) [from ²H(¹⁵N, p)]; measured β-delayed Eα, (¹²C)α-coin. REPT ANL-05/61,P4,Tang
- 2006AMZZ NUCLEAR REACTIONS ¹²C(⁷Be, ³He), E=34 MeV; measured particle spectra, σ(E, θ). ¹⁶O deduced α-cluster states. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P557,Amro
- 2006AS02 NUCLEAR REACTIONS ¹²C(α, γ), E(cm)=1.30-2.78 MeV; measured Eγ, Iγ(θ); deduced E1 and E2 astrophysical S-factors. JOUR PRVCA 73 055801
- 2006JOZZ NUCLEAR REACTIONS ⁶Li(¹³C, d), E=8.0, 8.5 MeV; measured σ(θ); deduced asymptotic normalization coefficients, resonance contribution. ¹³C(α, n), E=0-1 MeV; calculated astrophysical S-factor, reaction rate. PREPRINT nucl-ex/0605024,5/18/2006

A=17

- ¹⁷O 2006JOZZ NUCLEAR REACTIONS ⁶Li(¹³C, d), E=8.0, 8.5 MeV; measured σ(θ); deduced asymptotic normalization coefficients, resonance contribution. ¹³C(α, n), E=0-1 MeV; calculated astrophysical S-factor, reaction rate. PREPRINT nucl-ex/0605024,5/18/2006
- ¹⁷F 2003ZH49 NUCLEAR REACTIONS C(¹⁵N, X), (¹⁷N, X), (¹⁶O, X), (¹⁸O, X), (¹⁷F, X), (¹⁹F, X), (²¹F, X), (²⁰Ne, X), (²²Ne, X), (²¹Na, X), (²³Na, X), (²²Mg, X), (²⁴Mg, X), (²³Al, X), (²⁵Al, X), (²⁶Si, X), (²⁷P, X), E ≈ 18-33 MeV; measured reaction σ. ¹⁷F, ²³Al, ²⁷P deduced radii, halo features. Secondary beams from ³⁶Ar fragmentation. Comparison with model predictions. JOUR MPLAE 18 151

A=18

- ¹⁸O 2006CHZY NUCLEAR REACTIONS ¹⁸O(n, n'), E=8.5 MeV; measured $\sigma(E, \theta)$. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P101,Choudry
- 2006YI01 NUCLEAR REACTIONS ¹²C(¹⁸O, α ¹⁴C), (¹⁸O, α ¹⁶O), (¹⁸O, α ¹⁸O), E=140 MeV; measured charged particle spectra, angular correlations. ¹⁸O, ^{20,22}Ne deduced levels, J, π , configurations, cluster structure. JOUR PRVCA 73 034601
- ¹⁸F 2006LEZW NUCLEAR REACTIONS ²¹Ne(p, α), E=2.5-3.5 MeV; measured σ ; deduced resonance features. Activation technique, astrophysical implications discussed. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P581, Lee
- ¹⁸Ne 2005SIZX NUCLEAR REACTIONS ¹H(²¹Na, α), E(cm) \approx 1300-2500 keV; measured excitation function. REPT ANL-05/61,P6,Sinha
- 2006AC04 RADIOACTIVITY ²²Al(β^+), (β^+ p), (β^+ 2p), (β^+ α) [from ³⁶Ar fragmentation]; measured β -delayed E α , E γ , Ep, T_{1/2}; deduced mass excess. ²²Mg deduced levels, J, π . ²²Al deduced ground-state J, π . Comparison with shell model predictions. JOUR ZAANE 27 287
- 2006OB03 NUCLEAR REACTIONS ⁹Be(²⁴Mg, X), (²⁵Al, X), (³⁴Ar, X)¹⁸Ne / ²¹Na, E \approx 90-110 MeV / nucleon; ⁹Be(²⁶Si, X)¹⁸Ne / ²⁴Si, E \approx 109 MeV / nucleon; ⁹Be(²⁸Mg, X)²⁶Ne, E \approx 82 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced relative population of excited states, reaction mechanism features. JOUR PRVCA 73 044605

A=19

- ¹⁹F 2006K013 NUCLEAR REACTIONS ²H(¹⁸F, p), E=108.5 MeV; measured Ep, $\sigma(E, \theta)$. ¹⁹F deduced levels, J, π , neutron spectroscopic factors. Finite-range DWBA analysis. Comparison with shell model predictions. Daresbury recoil separator. JOUR PRVCA 73 044307
- 2006VA06 NUCLEAR REACTIONS ⁴He(¹⁵O, ¹⁵O), E=12.5 MeV; measured recoil α spectrum. ¹⁹F deduced resonant state width. JOUR ZAANE 27 183
- ¹⁹Ne 2006KAZZ NUCLEAR REACTIONS ³He(²⁰Ne, α), E=34 MeV; measured E γ , I γ , (particle) γ -coin, DSA. ¹⁹Ne level deduced T_{1/2}, decay width. PREPRINT nucl-ex/0605033,5/25/2006
- 2006SKZZ NUCLEAR REACTIONS ¹H(¹⁸Na, ¹⁸Na), E not given; measured excitation function for resonance elastic scattering. ¹⁹Ne deduced level, J, π . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P601,Skorodumov

A=20

- ²⁰Ne 2006AC04 RADIOACTIVITY ²²Al(β^+), (β^+ p), (β^+ 2p), (β^+ α) [from ³⁶Ar fragmentation]; measured β -delayed E α , E γ , Ep, T_{1/2}; deduced mass excess. ²²Mg deduced levels, J, π . ²²Al deduced ground-state J, π . Comparison with shell model predictions. JOUR ZAANE 27 287

A=20 (continued)

- 2006COZY NUCLEAR REACTIONS $^{19}\text{F}(\text{p}, \gamma)$, $E=200\text{-}800$ keV; measured $E\gamma$, $I\gamma$, capture yields. ^{20}Ne deduced resonance parameters. Astrophysical implications discussed. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P186,Couture
- 2006YI01 NUCLEAR REACTIONS $^{12}\text{C}(^{18}\text{O}, \alpha^{14}\text{C})$, $(^{18}\text{O}, \alpha^{16}\text{O})$, $(^{18}\text{O}, \alpha^{18}\text{O})$, $E=140$ MeV; measured charged particle spectra, angular correlations. ^{18}O , $^{20,22}\text{Ne}$ deduced levels, J , π , configurations, cluster structure. JOUR PRVCA 73 034601
- ^{20}Na 2006MU07 NUCLEAR REACTIONS $^1\text{H}(^{20}\text{Na}, \text{p})$, $E=1.25, 1.60$ MeV / nucleon; measured recoil proton spectra, $\sigma(\theta)$. ^{21}Mg deduced resonance energies, widths. $^{20}\text{Na}(\text{p}, \gamma)$, $E=\text{low}$; calculated astrophysical reaction rate. JOUR PRVCA 73 034320

A=21

- ^{21}Ne 2006LE22 NUCLEAR REACTIONS Pb, Bi(p, X) ^3He / ^4He / ^{21}Ne / ^{22}Ne / ^{81}Kr / ^{82}Kr / ^{85}Kr / ^{126}Xe / ^{132}Xe , $E \approx 10\text{-}2600$ MeV; measured production σ . JOUR NIMAE 562 760
- ^{21}Na 2006AC04 RADIOACTIVITY $^{22}\text{Al}(\beta^+)$, $(\beta^+\text{p})$, $(\beta^+2\text{p})$, $(\beta^+\alpha)$ [from ^{36}Ar fragmentation]; measured β -delayed $E\alpha$, $E\gamma$, $E\text{p}$, $T_{1/2}$; deduced mass excess. ^{22}Mg deduced levels, J , π . ^{22}Al deduced ground-state J , π . Comparison with shell model predictions. JOUR ZAANE 27 287
- 2006MU08 NUCLEAR REACTIONS $^{20}\text{Ne}(^3\text{He}, \text{d})$, $E=25.83$ MeV; measured deuteron spectra, $\sigma(E, \theta)$; deduced asymptotic normalization coefficients. $^{20}\text{Ne}(\text{p}, \gamma)$, $E=0\text{-}1200$ keV; deduced astrophysical S-factor. JOUR PRVCA 73 035806
- 2006OB03 NUCLEAR REACTIONS $^9\text{Be}(^{24}\text{Mg}, \text{X})$, $(^{25}\text{Al}, \text{X})$, $(^{34}\text{Ar}, \text{X})^{18}\text{Ne}$ / ^{21}Na , $E \approx 90\text{-}110$ MeV / nucleon; $^9\text{Be}(^{26}\text{Si}, \text{X})^{18}\text{Ne}$ / ^{24}Si , $E \approx 109$ MeV / nucleon; $^9\text{Be}(^{28}\text{Mg}, \text{X})^{26}\text{Ne}$, $E \approx 82$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin; deduced relative population of excited states, reaction mechanism features. JOUR PRVCA 73 044605
- ^{21}Mg 2006MU07 NUCLEAR REACTIONS $^1\text{H}(^{20}\text{Na}, \text{p})$, $E=1.25, 1.60$ MeV / nucleon; measured recoil proton spectra, $\sigma(\theta)$. ^{21}Mg deduced resonance energies, widths. $^{20}\text{Na}(\text{p}, \gamma)$, $E=\text{low}$; calculated astrophysical reaction rate. JOUR PRVCA 73 034320

A=22

- ^{22}Ne 2006LE22 NUCLEAR REACTIONS Pb, Bi(p, X) ^3He / ^4He / ^{21}Ne / ^{22}Ne / ^{81}Kr / ^{82}Kr / ^{85}Kr / ^{126}Xe / ^{132}Xe , $E \approx 10\text{-}2600$ MeV; measured production σ . JOUR NIMAE 562 760
- 2006YI01 NUCLEAR REACTIONS $^{12}\text{C}(^{18}\text{O}, \alpha^{14}\text{C})$, $(^{18}\text{O}, \alpha^{16}\text{O})$, $(^{18}\text{O}, \alpha^{18}\text{O})$, $E=140$ MeV; measured charged particle spectra, angular correlations. ^{18}O , $^{20,22}\text{Ne}$ deduced levels, J , π , configurations, cluster structure. JOUR PRVCA 73 034601

A=22 (continued)

- ²²Na 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E ≈ 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E ≈ 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E ≈ 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E ≈ 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E ≈ 20-40 MeV; measured activation σ . JOUR NIMAE 562 785
- ²²Mg 2006AC04 RADIOACTIVITY ²²Al(β^+), (β^+ p), (β^+ 2p), (β^+ α) [from ³⁶Ar fragmentation]; measured β -delayed E α , E γ , Ep, T_{1/2}; deduced mass excess. ²²Mg deduced levels, J, π . ²²Al deduced ground-state J, π . Comparison with shell model predictions. JOUR ZAANE 27 287
- ²²Al 2006AC04 RADIOACTIVITY ²²Al(β^+), (β^+ p), (β^+ 2p), (β^+ α) [from ³⁶Ar fragmentation]; measured β -delayed E α , E γ , Ep, T_{1/2}; deduced mass excess. ²²Mg deduced levels, J, π . ²²Al deduced ground-state J, π . Comparison with shell model predictions. JOUR ZAANE 27 287

A=23

- ²³Ne 2006D009 NUCLEAR REACTIONS ¹H(²⁸Ne, ²⁸Ne'), (²⁸Ne, ²⁷Ne), E=51.3 MeV / nucleon; measured E γ , I γ . ^{27,28}Ne deduced levels, possible J, π , B(E2), neutron quadrupole transition matrix element. ¹⁸¹Ta(⁴⁰Ar, X)²³Ne / ²⁴Ne / ²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=94 MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- ²³Al 2003ZH49 NUCLEAR REACTIONS C(¹⁵N, X), (¹⁷N, X), (¹⁶O, X), (¹⁸O, X), (¹⁷F, X), (¹⁹F, X), (²¹F, X), (²⁰Ne, X), (²²Ne, X), (²¹Na, X), (²³Na, X), (²²Mg, X), (²⁴Mg, X), (²³Al, X), (²⁵Al, X), (²⁶Si, X), (²⁷P, X), E ≈ 18-33 MeV; measured reaction σ . ¹⁷F, ²³Al, ²⁷P deduced radii, halo features. Secondary beams from ³⁶Ar fragmentation. Comparison with model predictions. JOUR MPLAE 18 151

A=24

- ²⁴Ne 2006D009 NUCLEAR REACTIONS ¹H(²⁸Ne, ²⁸Ne'), (²⁸Ne, ²⁷Ne), E=51.3 MeV / nucleon; measured E γ , I γ . ^{27,28}Ne deduced levels, possible J, π , B(E2), neutron quadrupole transition matrix element. ¹⁸¹Ta(⁴⁰Ar, X)²³Ne / ²⁴Ne / ²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=94 MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- ²⁴Na 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E ≈ 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E ≈ 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E ≈ 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E ≈ 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E ≈ 20-40 MeV; measured activation σ . JOUR NIMAE 562 785

A=24 (continued)

- 2006ST07 NUCLEAR REACTIONS $^{197}\text{Au}(^{20}\text{Ne}, \text{X})^{37}\text{Ar} / ^{127}\text{Xe}$, E=8 GeV; $^{197}\text{Au}(^{12}\text{C}, \text{X})^{37}\text{Ar} / ^{127}\text{Xe}$, E=25 GeV; $^{197}\text{Au}(^{28}\text{Si}, \text{X})^{37}\text{Ar} / ^{127}\text{Xe}$, E=381 GeV; $^{197}\text{Au}(\text{p}, \text{X})^{24}\text{Na} / ^{28}\text{Mg} / ^{48}\text{Sc} / ^{48}\text{V} / ^{58}\text{Co} / ^{59}\text{Fe} / ^{65}\text{Zn} / ^{74}\text{As} / ^{90}\text{Nb} / ^{100}\text{Pd} / ^{100}\text{Rh} / ^{131}\text{Ba} / ^{149}\text{Gd}$, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602
- 2006TI06 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(\text{p}, \text{X})^{203}\text{Pb} / ^{200}\text{Tl} / ^{199}\text{Tl} / ^{196}\text{Au} / ^{192}\text{Ir} / ^{190}\text{Ir} / ^{173}\text{Lu} / ^{101m}\text{Rh} / ^{86}\text{Rb} / ^{59}\text{Fe} / ^{24}\text{Na} / ^{7}\text{Be}$, E \approx 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801
- ^{24}Si 2006OB03 NUCLEAR REACTIONS $^9\text{Be}(^{24}\text{Mg}, \text{X})$, $(^{25}\text{Al}, \text{X})$, $(^{34}\text{Ar}, \text{X})^{18}\text{Ne} / ^{21}\text{Na}$, E \approx 90-110 MeV / nucleon; $^9\text{Be}(^{26}\text{Si}, \text{X})^{18}\text{Ne} / ^{24}\text{Si}$, E \approx 109 MeV / nucleon; $^9\text{Be}(^{28}\text{Mg}, \text{X})^{26}\text{Ne}$, E \approx 82 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin; deduced relative population of excited states, reaction mechanism features. JOUR PRVCA 73 044605

A=25

- ^{25}Ne 2006D009 NUCLEAR REACTIONS $^1\text{H}(^{28}\text{Ne}, ^{28}\text{Ne}')$, $(^{28}\text{Ne}, ^{27}\text{Ne})$, E=51.3 MeV / nucleon; measured $E\gamma$, $I\gamma$. $^{27,28}\text{Ne}$ deduced levels, possible J, π , B(E2), neutron quadrupole transition matrix element. $^{181}\text{Ta}(^{40}\text{Ar}, \text{X})^{23}\text{Ne} / ^{24}\text{Ne} / ^{25}\text{Ne} / ^{26}\text{Ne} / ^{27}\text{Ne} / ^{28}\text{Ne}$, E=94 MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- ^{25}Mg 2006OHZY NUCLEAR REACTIONS $^{24}\text{Mg}(\text{n}, \gamma)$, E \approx 46, 84 keV; measured $E\gamma$, $I\gamma$; deduced partial and total capture kernals. ^{25}Mg deduced levels, J, π . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P378,Ohsaki

A=26

- ^{26}Ne 2006D009 NUCLEAR REACTIONS $^1\text{H}(^{28}\text{Ne}, ^{28}\text{Ne}')$, $(^{28}\text{Ne}, ^{27}\text{Ne})$, E=51.3 MeV / nucleon; measured $E\gamma$, $I\gamma$. $^{27,28}\text{Ne}$ deduced levels, possible J, π , B(E2), neutron quadrupole transition matrix element. $^{181}\text{Ta}(^{40}\text{Ar}, \text{X})^{23}\text{Ne} / ^{24}\text{Ne} / ^{25}\text{Ne} / ^{26}\text{Ne} / ^{27}\text{Ne} / ^{28}\text{Ne}$, E=94 MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- 2006OB03 NUCLEAR REACTIONS $^9\text{Be}(^{24}\text{Mg}, \text{X})$, $(^{25}\text{Al}, \text{X})$, $(^{34}\text{Ar}, \text{X})^{18}\text{Ne} / ^{21}\text{Na}$, E \approx 90-110 MeV / nucleon; $^9\text{Be}(^{26}\text{Si}, \text{X})^{18}\text{Ne} / ^{24}\text{Si}$, E \approx 109 MeV / nucleon; $^9\text{Be}(^{28}\text{Mg}, \text{X})^{26}\text{Ne}$, E \approx 82 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin; deduced relative population of excited states, reaction mechanism features. JOUR PRVCA 73 044605
- ^{26}Na 2006LE17 NUCLEAR REACTIONS $^{14}\text{C}(^{14}\text{C}, \text{d})$, E=22 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (charged particle) γ -coin. ^{26}Na deduced levels, J, π , configurations. Shell model analysis. JOUR PRVCA 73 044321

A=27

- ²⁷F 2006TR02 NUCLEAR REACTIONS Be(⁴⁸Ca, X)²⁷F / ²⁹Ne / ³⁰Na / ³¹Na / ³²Mg, E=12.3 MeV / nucleon; measured yields. JOUR PRVCA 73 054303
- ²⁷Ne 2006D009 NUCLEAR REACTIONS ¹H(²⁸Ne, ²⁸Ne'), (²⁸Ne, ²⁷Ne), E=51.3 MeV / nucleon; measured E_γ, I_γ. ^{27,28}Ne deduced levels, possible J, π, B(E2), neutron quadrupole transition matrix element. ¹⁸¹Ta(⁴⁰Ar, X)²³Ne / ²⁴Ne / ²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=94 MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- 2006TR02 RADIOACTIVITY ^{27,28,29}Ne(β⁻); ^{28,29}Ne(β⁻n); ²⁹Ne(β⁻2n) [from Be(⁴⁸Ca, X)]; measured β-delayed E_γ, I_γ, T_{1/2}; deduced log ft, branching ratios. ^{27,28,29}Na deduced levels, J, π. JOUR PRVCA 73 054303
- ²⁷Na 2006TR02 RADIOACTIVITY ^{27,28,29}Ne(β⁻); ^{28,29}Ne(β⁻n); ²⁹Ne(β⁻2n) [from Be(⁴⁸Ca, X)]; measured β-delayed E_γ, I_γ, T_{1/2}; deduced log ft, branching ratios. ^{27,28,29}Na deduced levels, J, π. JOUR PRVCA 73 054303
- ²⁷Al 2006FI04 NUCLEAR REACTIONS ²⁷Al(⁷Li, ⁷Li), E=6-18 MeV; measured σ(θ); deduced optical model parameters, no threshold anomaly. JOUR PRVCA 73 054603
- 2006WA14 NUCLEAR MOMENTS ²⁷Al, ¹²⁷I; measured hfs; deduced quadrupole coupling constants. JOUR CHPLB 423 327
- ²⁷Si 2005SEZU NUCLEAR REACTIONS ¹²C(¹⁶O, n), E not given; measured E_γ, I_γ, γγ-coin. ²⁷Si deduced transitions. Gammasphere array. REPT ANL-05/61,P8,Seweryniak
- 2006KI04 NUCLEAR REACTIONS ²⁸Si(e, e'n), E=150, 198 MeV; measured E_n, missing energy spectra, σ(E, θ). ²⁸Si deduced electric multipole strength distributions in giant resonance region. JOUR PRVCA 73 034614
- ²⁷P 2003ZH49 NUCLEAR REACTIONS C(¹⁵N, X), (¹⁷N, X), (¹⁶O, X), (¹⁸O, X), (¹⁷F, X), (¹⁹F, X), (²¹F, X), (²⁰Ne, X), (²²Ne, X), (²¹Na, X), (²³Na, X), (²²Mg, X), (²⁴Mg, X), (²³Al, X), (²⁵Al, X), (²⁶Si, X), (²⁷P, X), E ≈ 18-33 MeV; measured reaction σ. ¹⁷F, ²³Al, ²⁷P deduced radii, halo features. Secondary beams from ³⁶Ar fragmentation. Comparison with model predictions. JOUR MPLAE 18 151

A=28

- ²⁸Ne 2006D009 NUCLEAR REACTIONS ¹H(²⁸Ne, ²⁸Ne'), (²⁸Ne, ²⁷Ne), E=51.3 MeV / nucleon; measured E_γ, I_γ. ^{27,28}Ne deduced levels, possible J, π, B(E2), neutron quadrupole transition matrix element. ¹⁸¹Ta(⁴⁰Ar, X)²³Ne / ²⁴Ne / ²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=94 MeV / nucleon; measured yields. JOUR PRLTA 96 182501
- 2006TR02 RADIOACTIVITY ^{27,28,29}Ne(β⁻); ^{28,29}Ne(β⁻n); ²⁹Ne(β⁻2n) [from Be(⁴⁸Ca, X)]; measured β-delayed E_γ, I_γ, T_{1/2}; deduced log ft, branching ratios. ^{27,28,29}Na deduced levels, J, π. JOUR PRVCA 73 054303

A=28 (continued)

- ²⁸Na 2006TR02 RADIOACTIVITY ^{27,28,29}Ne(β^-); ^{28,29}Ne(β^-n); ²⁹Ne(β^-2n) [from Be(⁴⁸Ca, X)]; measured β -delayed E γ , I γ , T_{1/2}; deduced log ft, branching ratios. ^{27,28,29}Na deduced levels, J, π . JOUR PRVCA 73 054303
- ²⁸Mg 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602
- ²⁸Si 2006KI04 NUCLEAR REACTIONS ²⁸Si(e, e'n), E=150, 198 MeV; measured En, missing energy spectra, $\sigma(E, \theta)$. ²⁸Si deduced electric multipole strength distributions in giant resonance region. JOUR PRVCA 73 034614

A=29

- ²⁹Ne 2006TR02 RADIOACTIVITY ^{27,28,29}Ne(β^-); ^{28,29}Ne(β^-n); ²⁹Ne(β^-2n) [from Be(⁴⁸Ca, X)]; measured β -delayed E γ , I γ , T_{1/2}; deduced log ft, branching ratios. ^{27,28,29}Na deduced levels, J, π . JOUR PRVCA 73 054303
- 2006TR02 NUCLEAR REACTIONS Be(⁴⁸Ca, X)²⁷F / ²⁹Ne / ³⁰Na / ³¹Na / ³²Mg, E=12.3 MeV / nucleon; measured yields. JOUR PRVCA 73 054303
- ²⁹Na 2006TR02 RADIOACTIVITY ^{27,28,29}Ne(β^-); ^{28,29}Ne(β^-n); ²⁹Ne(β^-2n) [from Be(⁴⁸Ca, X)]; measured β -delayed E γ , I γ , T_{1/2}; deduced log ft, branching ratios. ^{27,28,29}Na deduced levels, J, π . JOUR PRVCA 73 054303
- ²⁹Mg 2005K050 RADIOACTIVITY ^{29,31}Mg(β^-) [from U(p, X)]; measured β -asymmetry, β -NMR spectra from polarized source. ³¹Mg deduced g-factor, ground-state J, π . JOUR HYIND 162 109
- ²⁹Al 2005K050 RADIOACTIVITY ^{29,31}Mg(β^-) [from U(p, X)]; measured β -asymmetry, β -NMR spectra from polarized source. ³¹Mg deduced g-factor, ground-state J, π . JOUR HYIND 162 109
- ²⁹Si 2006DE21 NUCLEAR REACTIONS ²⁸Si, ³²S, ³⁵Cl(n, γ), E=reactor; measured E γ , I γ . ²⁹Si, ³³S, ³⁶Cl deduced binding energies. Flat-crystal spectrometer. JOUR PRVCA 73 044303

A=30

- ³⁰Na 2006EL03 NUCLEAR REACTIONS ¹⁸¹Ta(⁴⁰Ar, X), E=94 MeV / nucleon; measured fragment yields. ¹H(³¹Na, ³¹Na'), (³⁰Na, ³⁰Na'), (³¹Na, ³⁰Na), (³⁴Mg, ³⁴Mg'), (³⁴Mg, ³³Mg), (³³Mg, ³³Mg'), E \approx 50 MeV / nucleon; measured E γ , I γ , σ . ^{30,31}Na, ^{33,34}Mg deduced transition energies, deformation parameters. ³⁰Na deduced excited state energy. JOUR PRVCA 73 044314

A=30 (continued)

2006TR02 NUCLEAR REACTIONS Be(⁴⁸Ca, X)²⁷F / ²⁹Ne / ³⁰Na / ³¹Na / ³²Mg, E=12.3 MeV / nucleon; measured yields. JOUR PRVCA 73 054303

A=31

³¹Na 2006EL03 NUCLEAR REACTIONS ¹⁸¹Ta(⁴⁰Ar, X), E=94 MeV / nucleon; measured fragment yields. ¹H(³¹Na, ³¹Na'), (³⁰Na, ³⁰Na'), (³¹Na, ³⁰Na), (³⁴Mg, ³⁴Mg'), (³⁴Mg, ³³Mg), (³³Mg, ³³Mg'), E ≈ 50 MeV / nucleon; measured E γ , I γ , σ . ^{30,31}Na, ^{33,34}Mg deduced transition energies, deformation parameters. ³⁰Na deduced excited state energy. JOUR PRVCA 73 044314

2006TR02 NUCLEAR REACTIONS Be(⁴⁸Ca, X)²⁷F / ²⁹Ne / ³⁰Na / ³¹Na / ³²Mg, E=12.3 MeV / nucleon; measured yields. JOUR PRVCA 73 054303

³¹Mg 2005K050 RADIOACTIVITY ^{29,31}Mg(β^-) [from U(p, X)]; measured β -asymmetry, β -NMR spectra from polarized source. ³¹Mg deduced g-factor, ground-state J, π . JOUR HYIND 162 109

³¹Al 2005K050 RADIOACTIVITY ^{29,31}Mg(β^-) [from U(p, X)]; measured β -asymmetry, β -NMR spectra from polarized source. ³¹Mg deduced g-factor, ground-state J, π . JOUR HYIND 162 109

A=32

³²Mg 2006TR02 NUCLEAR REACTIONS Be(⁴⁸Ca, X)²⁷F / ²⁹Ne / ³⁰Na / ³¹Na / ³²Mg, E=12.3 MeV / nucleon; measured yields. JOUR PRVCA 73 054303

³²Si 2006TR03 ATOMIC MASSES ³²Si, ³²P, ³²S, ³²Cl, ³²Ar; analyzed mass excesses for T=2 quintet. Isospin-multiplet mass equation. JOUR PRVCA 73 054313

³²P 2006TR03 ATOMIC MASSES ³²Si, ³²P, ³²S, ³²Cl, ³²Ar; analyzed mass excesses for T=2 quintet. Isospin-multiplet mass equation. JOUR PRVCA 73 054313

³²S 2006TR03 NUCLEAR REACTIONS ³¹P(p, γ), E=3.285 MeV; measured E γ , I γ . ³²S deduced excited states energies. JOUR PRVCA 73 054313

2006TR03 ATOMIC MASSES ³²Si, ³²P, ³²S, ³²Cl, ³²Ar; analyzed mass excesses for T=2 quintet. Isospin-multiplet mass equation. JOUR PRVCA 73 054313

2006TRZZ NUCLEAR REACTIONS ³¹P(p, γ), E=3.285 MeV; measured E γ . ³²S level deduced energy, possible isospin mixing. Comparison with prediction from isobaric multiplet mass equation. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P607,Triambak

³²Cl 2006B0ZZ RADIOACTIVITY ³²Ar(β^+); measured E γ , I γ , $\beta\gamma$ -coin. ³²Cl deduced transitions, branching ratios. REPT Univ Washington Annual 2006,P54,Bordeanu

A=32 (continued)

- 2006TR03 ATOMIC MASSES ^{32}Si , ^{32}P , ^{32}S , ^{32}Cl , ^{32}Ar ; analyzed mass excesses for T=2 quintet. Isospin-multiplet mass equation. JOUR PRVCA 73 054313
- ^{32}Ar 2006BOZZ RADIOACTIVITY $^{32}\text{Ar}(\beta^+)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. ^{32}Cl deduced transitions, branching ratios. REPT Univ Washington Annual 2006,P54,Bordeanu
- 2006TR03 ATOMIC MASSES ^{32}Si , ^{32}P , ^{32}S , ^{32}Cl , ^{32}Ar ; analyzed mass excesses for T=2 quintet. Isospin-multiplet mass equation. JOUR PRVCA 73 054313

A=33

- ^{33}Mg 2006EL03 NUCLEAR REACTIONS $^{181}\text{Ta}(^{40}\text{Ar}, \text{X})$, $E=94$ MeV / nucleon; measured fragment yields. $^1\text{H}(^{31}\text{Na}, ^{31}\text{Na}')$, $(^{30}\text{Na}, ^{30}\text{Na}')$, $(^{31}\text{Na}, ^{30}\text{Na})$, $(^{34}\text{Mg}, ^{34}\text{Mg}')$, $(^{34}\text{Mg}, ^{33}\text{Mg})$, $(^{33}\text{Mg}, ^{33}\text{Mg}')$, $E \approx 50$ MeV / nucleon; measured $E\gamma$, $I\gamma$, σ . $^{30,31}\text{Na}$, $^{33,34}\text{Mg}$ deduced transition energies, deformation parameters. ^{30}Na deduced excited state energy. JOUR PRVCA 73 044314
- ^{33}Si 2006TU03 RADIOACTIVITY $^{34}\text{Al}(\beta^-)$, (β^-n) [from $^9\text{Be}(^{36}\text{S}, \text{X})$]; measured β -decay asymmetry from oriented nuclei; deduced reaction-induced polarization. JOUR PRVCA 73 044313
- ^{33}S 2006DE21 NUCLEAR REACTIONS ^{28}Si , ^{32}S , $^{35}\text{Cl}(n, \gamma)$, $E=\text{reactor}$; measured $E\gamma$, $I\gamma$. ^{29}Si , ^{33}S , ^{36}Cl deduced binding energies. Flat-crystal spectrometer. JOUR PRVCA 73 044303

A=34

- ^{34}Mg 2006EL03 NUCLEAR REACTIONS $^{181}\text{Ta}(^{40}\text{Ar}, \text{X})$, $E=94$ MeV / nucleon; measured fragment yields. $^1\text{H}(^{31}\text{Na}, ^{31}\text{Na}')$, $(^{30}\text{Na}, ^{30}\text{Na}')$, $(^{31}\text{Na}, ^{30}\text{Na})$, $(^{34}\text{Mg}, ^{34}\text{Mg}')$, $(^{34}\text{Mg}, ^{33}\text{Mg})$, $(^{33}\text{Mg}, ^{33}\text{Mg}')$, $E \approx 50$ MeV / nucleon; measured $E\gamma$, $I\gamma$, σ . $^{30,31}\text{Na}$, $^{33,34}\text{Mg}$ deduced transition energies, deformation parameters. ^{30}Na deduced excited state energy. JOUR PRVCA 73 044314
- ^{34}Al 2006TU03 NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{S}, \text{X})^{34}\text{Al}$, $E=77.5$ MeV / nucleon; measured yield, induced polarization. ^{34}Al deduced ground-state J , π . JOUR PRVCA 73 044313
- 2006TU03 RADIOACTIVITY $^{34}\text{Al}(\beta^-)$, (β^-n) [from $^9\text{Be}(^{36}\text{S}, \text{X})$]; measured β -decay asymmetry from oriented nuclei; deduced reaction-induced polarization. JOUR PRVCA 73 044313
- ^{34}Si 2006TU03 RADIOACTIVITY $^{34}\text{Al}(\beta^-)$, (β^-n) [from $^9\text{Be}(^{36}\text{S}, \text{X})$]; measured β -decay asymmetry from oriented nuclei; deduced reaction-induced polarization. JOUR PRVCA 73 044313
- ^{34}Cl 2006ME08 NUCLEAR REACTIONS $\text{Ca}(\mu^-, \nu x n y p z \alpha)^{43}\text{K} / ^{41}\text{K} / ^{40}\text{K} / ^{39}\text{K} / ^{38}\text{K} / ^{37}\text{K} / ^{39}\text{Ar} / ^{38}\text{Ar} / ^{38}\text{Cl} / ^{37}\text{Cl} / ^{36}\text{Cl} / ^{35}\text{Cl} / ^{34}\text{Cl}$, E at rest; $\text{Fe}(\mu^-, \nu x n y p z \alpha)^{56}\text{Mn} / ^{55}\text{Mn} / ^{54}\text{Mn} / ^{53}\text{Mn} / ^{54}\text{Cr}$, E at rest; $\text{Ni}(\mu^-, \nu x n y p z \alpha)^{58}\text{Fe} / ^{56}\text{Fe} / ^{59}\text{Co} / ^{57}\text{Co}$, E at rest; measured $E\gamma$, $I\gamma$, yields. JOUR PRVCA 73 045501

A=35

³⁵Cl 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

A=36

³⁶Cl 2006DE21 NUCLEAR REACTIONS ²⁸Si, ³²S, ³⁵Cl(n, γ), E=reactor; measured E γ , I γ . ²⁹Si, ³³S, ³⁶Cl deduced binding energies. Flat-crystal spectrometer. JOUR PRVCA 73 044303

2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

A=37

³⁷Cl 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

³⁷Ar 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

³⁷K 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

A=38

³⁸Cl 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

A=38 (continued)

³⁸ Ar	2005BL33	NUCLEAR MOMENTS ^{38,40,41,42,43,44,46} Ar; measured isotope shifts; deduced charge radii. Fast-beam collinear laser spectroscopy. JOUR HYIND 162 101
	2006ME08	NUCLEAR REACTIONS Ca(μ^- , ν xnypz α) ⁴³ K / ⁴¹ K / ⁴⁰ K / ³⁹ K / ³⁸ K / ³⁷ K / ³⁹ Ar / ³⁸ Ar / ³⁸ Cl / ³⁷ Cl / ³⁶ Cl / ³⁵ Cl / ³⁴ Cl, E at rest; Fe(μ^- , ν xnypz α) ⁵⁶ Mn / ⁵⁵ Mn / ⁵⁴ Mn / ⁵³ Mn / ⁵⁴ Cr, E at rest; Ni(μ^- , ν xnypz α) ⁵⁸ Fe / ⁵⁶ Fe / ⁵⁹ Co / ⁵⁷ Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
³⁸ K	2006ME08	NUCLEAR REACTIONS Ca(μ^- , ν xnypz α) ⁴³ K / ⁴¹ K / ⁴⁰ K / ³⁹ K / ³⁸ K / ³⁷ K / ³⁹ Ar / ³⁸ Ar / ³⁸ Cl / ³⁷ Cl / ³⁶ Cl / ³⁵ Cl / ³⁴ Cl, E at rest; Fe(μ^- , ν xnypz α) ⁵⁶ Mn / ⁵⁵ Mn / ⁵⁴ Mn / ⁵³ Mn / ⁵⁴ Cr, E at rest; Ni(μ^- , ν xnypz α) ⁵⁸ Fe / ⁵⁶ Fe / ⁵⁹ Co / ⁵⁷ Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
³⁸ Ca	2006B011	ATOMIC MASSES ³⁸ Ca; measured mass. Penning trap mass spectrometer. JOUR PRLTA 96 152501

A=39

³⁹ Ar	2006ME08	NUCLEAR REACTIONS Ca(μ^- , ν xnypz α) ⁴³ K / ⁴¹ K / ⁴⁰ K / ³⁹ K / ³⁸ K / ³⁷ K / ³⁹ Ar / ³⁸ Ar / ³⁸ Cl / ³⁷ Cl / ³⁶ Cl / ³⁵ Cl / ³⁴ Cl, E at rest; Fe(μ^- , ν xnypz α) ⁵⁶ Mn / ⁵⁵ Mn / ⁵⁴ Mn / ⁵³ Mn / ⁵⁴ Cr, E at rest; Ni(μ^- , ν xnypz α) ⁵⁸ Fe / ⁵⁶ Fe / ⁵⁹ Co / ⁵⁷ Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
³⁹ K	2005HAZJ	NUCLEAR REACTIONS ⁴⁰ Ca(e, e'p), E=199.53 MeV; measured $\sigma(\theta)$. Comparison with relativistic DWIA predictions. JOUR KKYHB 38 18
	2006ME08	NUCLEAR REACTIONS Ca(μ^- , ν xnypz α) ⁴³ K / ⁴¹ K / ⁴⁰ K / ³⁹ K / ³⁸ K / ³⁷ K / ³⁹ Ar / ³⁸ Ar / ³⁸ Cl / ³⁷ Cl / ³⁶ Cl / ³⁵ Cl / ³⁴ Cl, E at rest; Fe(μ^- , ν xnypz α) ⁵⁶ Mn / ⁵⁵ Mn / ⁵⁴ Mn / ⁵³ Mn / ⁵⁴ Cr, E at rest; Ni(μ^- , ν xnypz α) ⁵⁸ Fe / ⁵⁶ Fe / ⁵⁹ Co / ⁵⁷ Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

A=40

⁴⁰ S	2006WI10	RADIOACTIVITY ^{40,42} S, ⁴³ Cl(β^-) [from Be(⁴⁸ Ca, X) and subsequent decay]; measured E γ , I γ , $\gamma\gamma$ -coin, T _{1/2} ; deduced log ft. ^{40,42} Cl, ⁴³ Ar deduced levels, J, π . Comparison with previous results and model predictions. JOUR PRVCA 73 044318
⁴⁰ Cl	2006WI10	RADIOACTIVITY ^{40,42} S, ⁴³ Cl(β^-) [from Be(⁴⁸ Ca, X) and subsequent decay]; measured E γ , I γ , $\gamma\gamma$ -coin, T _{1/2} ; deduced log ft. ^{40,42} Cl, ⁴³ Ar deduced levels, J, π . Comparison with previous results and model predictions. JOUR PRVCA 73 044318
⁴⁰ Ar	2005BL33	NUCLEAR MOMENTS ^{38,40,41,42,43,44,46} Ar; measured isotope shifts; deduced charge radii. Fast-beam collinear laser spectroscopy. JOUR HYIND 162 101

A=40 (continued)

- 2006LI23 NUCLEAR REACTIONS ^{40}Ar (polarized γ , γ'), $E=7.7\text{-}11$ MeV; measured $E\gamma$, $I\gamma$, asymmetry. ^{40}Ar deduced levels, J , π , excitation B(E1), B(M1), spin-flip M1 strength. Comparison with shell model predictions. JOUR PRVCA 73 054306
- ^{40}K 2006ME08 NUCLEAR REACTIONS $\text{Ca}(\mu^-, \nu\text{xnypz}\alpha)^{43}\text{K} / ^{41}\text{K} / ^{40}\text{K} / ^{39}\text{K} / ^{38}\text{K} / ^{37}\text{K} / ^{39}\text{Ar} / ^{38}\text{Ar} / ^{38}\text{Cl} / ^{37}\text{Cl} / ^{36}\text{Cl} / ^{35}\text{Cl} / ^{34}\text{Cl}$, E at rest; $\text{Fe}(\mu^-, \nu\text{xnypz}\alpha)^{56}\text{Mn} / ^{55}\text{Mn} / ^{54}\text{Mn} / ^{53}\text{Mn} / ^{54}\text{Cr}$, E at rest; $\text{Ni}(\mu^-, \nu\text{xnypz}\alpha)^{58}\text{Fe} / ^{56}\text{Fe} / ^{59}\text{Co} / ^{57}\text{Co}$, E at rest; measured $E\gamma$, $I\gamma$, yields. JOUR PRVCA 73 045501
- ^{40}Ca 2006NA18 ATOMIC MASSES ^{40}Ca ; measured masses for hydrogen-like and lithium-like ions. Penning trap. JOUR ZDDNE 39 1

A=41

- ^{41}Ar 2005BL33 NUCLEAR MOMENTS $^{38,40,41,42,43,44,46}\text{Ar}$; measured isotope shifts; deduced charge radii. Fast-beam collinear laser spectroscopy. JOUR HYIND 162 101
- 2006JA11 NUCLEAR REACTIONS $\text{Fe}(\text{p}, \text{X})^{24}\text{Na} / ^{41}\text{Ar} / ^{42}\text{K} / ^{43}\text{K} / ^{43}\text{Sc} / ^{44m}\text{Sc} / ^{44}\text{Sc} / ^{46}\text{Sc} / ^{47}\text{Sc} / ^{48}\text{Sc} / ^{48}\text{Cr} / ^{49}\text{Cr} / ^{51}\text{Cr} / ^{48}\text{V} / ^{52m}\text{Mn} / ^{52}\text{Mn} / ^{54}\text{Mn} / ^{52}\text{Fe} / ^{56}\text{Co}$, $E=650$ MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- ^{41}K 2006ME08 NUCLEAR REACTIONS $\text{Ca}(\mu^-, \nu\text{xnypz}\alpha)^{43}\text{K} / ^{41}\text{K} / ^{40}\text{K} / ^{39}\text{K} / ^{38}\text{K} / ^{37}\text{K} / ^{39}\text{Ar} / ^{38}\text{Ar} / ^{38}\text{Cl} / ^{37}\text{Cl} / ^{36}\text{Cl} / ^{35}\text{Cl} / ^{34}\text{Cl}$, E at rest; $\text{Fe}(\mu^-, \nu\text{xnypz}\alpha)^{56}\text{Mn} / ^{55}\text{Mn} / ^{54}\text{Mn} / ^{53}\text{Mn} / ^{54}\text{Cr}$, E at rest; $\text{Ni}(\mu^-, \nu\text{xnypz}\alpha)^{58}\text{Fe} / ^{56}\text{Fe} / ^{59}\text{Co} / ^{57}\text{Co}$, E at rest; measured $E\gamma$, $I\gamma$, yields. JOUR PRVCA 73 045501

A=42

- ^{42}S 2006WI10 RADIOACTIVITY $^{40,42}\text{S}$, $^{43}\text{Cl}(\beta^-)$ [from $\text{Be}(^{48}\text{Ca}, \text{X})$ and subsequent decay]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. $^{40,42}\text{Cl}$, ^{43}Ar deduced levels, J , π . Comparison with previous results and model predictions. JOUR PRVCA 73 044318
- ^{42}Cl 2006WI10 RADIOACTIVITY $^{40,42}\text{S}$, $^{43}\text{Cl}(\beta^-)$ [from $\text{Be}(^{48}\text{Ca}, \text{X})$ and subsequent decay]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. $^{40,42}\text{Cl}$, ^{43}Ar deduced levels, J , π . Comparison with previous results and model predictions. JOUR PRVCA 73 044318
- ^{42}Ar 2005BL33 NUCLEAR MOMENTS $^{38,40,41,42,43,44,46}\text{Ar}$; measured isotope shifts; deduced charge radii. Fast-beam collinear laser spectroscopy. JOUR HYIND 162 101
- ^{42}K 2006JA11 NUCLEAR REACTIONS $\text{Fe}(\text{p}, \text{X})^{24}\text{Na} / ^{41}\text{Ar} / ^{42}\text{K} / ^{43}\text{K} / ^{43}\text{Sc} / ^{44m}\text{Sc} / ^{44}\text{Sc} / ^{46}\text{Sc} / ^{47}\text{Sc} / ^{48}\text{Sc} / ^{48}\text{Cr} / ^{49}\text{Cr} / ^{51}\text{Cr} / ^{48}\text{V} / ^{52m}\text{Mn} / ^{52}\text{Mn} / ^{54}\text{Mn} / ^{52}\text{Fe} / ^{56}\text{Co}$, $E=650$ MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

A=43

- ⁴³Cl 2006WI10 RADIOACTIVITY ^{40,42}S, ⁴³Cl(β^-) [from Be(⁴⁸Ca, X) and subsequent decay]; measured E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}; deduced log ft. ^{40,42}Cl, ⁴³Ar deduced levels, J, π . Comparison with previous results and model predictions. JOUR PRVCA 73 044318
- ⁴³Ar 2005BL33 NUCLEAR MOMENTS ^{38,40,41,42,43,44,46}Ar; measured isotope shifts; deduced charge radii. Fast-beam collinear laser spectroscopy. JOUR HYIND 162 101
- 2006WI10 RADIOACTIVITY ^{40,42}S, ⁴³Cl(β^-) [from Be(⁴⁸Ca, X) and subsequent decay]; measured E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}; deduced log ft. ^{40,42}Cl, ⁴³Ar deduced levels, J, π . Comparison with previous results and model predictions. JOUR PRVCA 73 044318
- ⁴³K 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
- ⁴³Sc 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- ⁴³Cr 2003BL21 RADIOACTIVITY ⁴⁵Fe(2p), (β^+ p) [from Be, Ni(⁵⁸Ni, X)]; measured E_p, T_{1/2}. Mass separator, comparison with model predictions. JOUR CRPOB 4 521

A=44

- ⁴⁴Ar 2005BL33 NUCLEAR MOMENTS ^{38,40,41,42,43,44,46}Ar; measured isotope shifts; deduced charge radii. Fast-beam collinear laser spectroscopy. JOUR HYIND 162 101
- ⁴⁴Ca 2005VAZY RADIOACTIVITY ^{208,209}Tl(β^-); ⁴⁴Sc, ²⁰⁷Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
- ⁴⁴Sc 2005VAZY RADIOACTIVITY ^{208,209}Tl(β^-); ⁴⁴Sc, ²⁰⁷Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
- 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

A=44 (continued)

⁴⁴Cr 2003BL21 RADIOACTIVITY ⁴⁵Fe(2p), (β^+ p) [from Be, Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}. Mass separator, comparison with model predictions. JOUR CRPOB 4 521

A=45

⁴⁵Fe 2003BL21 RADIOACTIVITY ⁴⁵Fe(2p), (β^+ p) [from Be, Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}. Mass separator, comparison with model predictions. JOUR CRPOB 4 521

A=46

⁴⁶Ar 2005BL33 NUCLEAR MOMENTS ^{38,40,41,42,43,44,46}Ar; measured isotope shifts; deduced charge radii. Fast-beam collinear laser spectroscopy. JOUR HYIND 162 101

⁴⁶Sc 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

A=47

⁴⁷Sc 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

A=48

⁴⁸Sc 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=48 (continued)

- ⁴⁸V 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602
- ⁴⁸Cr 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

A=49

- ⁴⁹V 2005LIZX NUCLEAR REACTIONS ¹²C(⁴⁰Ca, X)⁴⁹Fe / ⁴⁹Mn / ⁴⁹Cr / ⁴⁹V, E=230 MeV; measured E γ , I γ , (recoil) γ -coin. REPT ANL-05/61,P44,Lister
- ⁴⁹Cr 2005LIZX NUCLEAR REACTIONS ¹²C(⁴⁰Ca, X)⁴⁹Fe / ⁴⁹Mn / ⁴⁹Cr / ⁴⁹V, E=230 MeV; measured E γ , I γ , (recoil) γ -coin. REPT ANL-05/61,P44,Lister
- 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- ⁴⁹Mn 2005LIZX NUCLEAR REACTIONS ¹²C(⁴⁰Ca, X)⁴⁹Fe / ⁴⁹Mn / ⁴⁹Cr / ⁴⁹V, E=230 MeV; measured E γ , I γ , (recoil) γ -coin. REPT ANL-05/61,P44,Lister
- ⁴⁹Fe 2005LIZX NUCLEAR REACTIONS ¹²C(⁴⁰Ca, X)⁴⁹Fe / ⁴⁹Mn / ⁴⁹Cr / ⁴⁹V, E=230 MeV; measured E γ , I γ , (recoil) γ -coin. REPT ANL-05/61,P44,Lister

A=50

No references found

A=51

⁵¹Cr 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

A=52

⁵²Ca 2006GAZY NUCLEAR REACTIONS ⁹Be(⁵⁴Ti, X)⁵²Ca, E=72 MeV / nucleon; measured E γ , (particle) γ -coin, parallel momentum distributions, σ . ⁵²Ca deduced levels, J, π , shell closure features. ⁵⁴Ti deduced sub-shell closure. PREPRINT nucl-ex/0606033,6/26/2006

⁵²Sc 2006GA14 NUCLEAR REACTIONS ⁹Be(⁵⁷Cr, X), (⁵⁵V, X)⁵²Sc, E \approx 77 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ⁵²Sc deduced levels, transitions. Comparison with shell model predictions. JOUR PRVCA 73 037309

⁵²Mn 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

⁵²Fe 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633

A=53

⁵³Mn 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

2006SC16 NUCLEAR REACTIONS Pb(p, X)⁶⁰Fe / ⁵³Mn, E \approx 100-2600 MeV; measured excitation functions. Comparison with model predictions. JOUR NIMAE 562 1057

A=54

⁵⁴Ti 2006GAZY NUCLEAR REACTIONS ⁹Be(⁵⁴Ti, X)⁵²Ca, E=72 MeV / nucleon; measured E γ , (particle) γ -coin, parallel momentum distributions, σ . ⁵²Ca deduced levels, J, π , shell closure features. ⁵⁴Ti deduced sub-shell closure. PREPRINT nucl-ex/0606033,6/26/2006

A=54 (continued)

- ⁵⁴Cr 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
- ⁵⁴Mn 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501

A=55

- ⁵⁵Mn 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
- ⁵⁵Co 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E \approx 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E \approx 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E \approx 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E \approx 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E \approx 20-40 MeV; measured activation σ . JOUR NIMAE 562 785

A=56

- ⁵⁶Mn 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
- ⁵⁶Fe 2006ME08 NUCLEAR REACTIONS Ca(μ^- , ν xnypz α)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , ν xnypz α)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , ν xnypz α)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
- 2006VOZX NUCLEAR REACTIONS ⁵⁵Mn(d, n), E=7 MeV; measured En, σ (E, θ). ⁵⁶Fe deduced nuclear level density, γ -strength function. PREPRINT nucl-ex/0604002,4/6/2006
- 2006VOZZ NUCLEAR REACTIONS ⁵⁵Mn(d, n), E=7 MeV; measured En. ⁵⁷Fe(³He, $\alpha\gamma$), E not given; analyzed data. ⁵⁶Fe deduced level densities, γ -strength functions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P545,Voinov

A=56 (continued)

- ⁵⁶Co 2006JA11 NUCLEAR REACTIONS Fe(p, X)²⁴Na / ⁴¹Ar / ⁴²K / ⁴³K / ⁴³Sc / ^{44m}Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc / ⁴⁸Cr / ⁴⁹Cr / ⁵¹Cr / ⁴⁸V / ^{52m}Mn / ⁵²Mn / ⁵⁴Mn / ⁵²Fe / ⁵⁶Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
- 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E \approx 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E \approx 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E \approx 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E \approx 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E \approx 20-40 MeV; measured activation σ . JOUR NIMAE 562 785
- ⁵⁶Ni 2006J003 NUCLEAR REACTIONS ⁴⁰Ca(²⁸Si, 3 α), E=122 MeV; ²⁸Si(³²S, 2n2p), E=130 MeV; measured E γ , I γ , (charged particle) γ -, (neutron) γ -, $\gamma\gamma$ -coin. ⁵⁶Ni deduced levels, J, π , configurations. Shell model calculations, Gammasphere and Microball arrays. JOUR ZAANE 27 157
- 2006YUZZ NUCLEAR REACTIONS ⁹Be(⁵⁷Ni, X)⁵⁶Ni, E=73 MeV / nucleon; measured E γ , (particle) γ -coin, parallel momentum distributions, σ . ⁵⁶Ni deduced levels, J, π . ⁵⁷Ni deduced spectroscopic factors for one-neutron removal. PREPRINT nucl-ex/0606030,6/23/2006

A=57

- ⁵⁷Fe 2005RY07 NUCLEAR REACTIONS ⁵⁷Fe(γ , γ'), E=low; measured nuclear forward scattering and Mossbauer spectra. JOUR HYIND 163 29
- ⁵⁷Co 2006ME08 NUCLEAR REACTIONS Ca(μ^- , $\nu xnypz\alpha$)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , $\nu xnypz\alpha$)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , $\nu xnypz\alpha$)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
- ⁵⁷Ni 2006YUZZ NUCLEAR REACTIONS ⁹Be(⁵⁷Ni, X)⁵⁶Ni, E=73 MeV / nucleon; measured E γ , (particle) γ -coin, parallel momentum distributions, σ . ⁵⁶Ni deduced levels, J, π . ⁵⁷Ni deduced spectroscopic factors for one-neutron removal. PREPRINT nucl-ex/0606030,6/23/2006

A=58

- ⁵⁸Fe 2006ME08 NUCLEAR REACTIONS Ca(μ^- , $\nu xnypz\alpha$)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , $\nu xnypz\alpha$)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , $\nu xnypz\alpha$)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured E γ , I γ , yields. JOUR PRVCA 73 045501
- ⁵⁸Co 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=58 (continued)

⁵⁸Ni 2006NA17 NUCLEAR REACTIONS ⁵⁸Ni(α , α'), E=386 MeV; measured $E\alpha$, $I\alpha$, $\sigma(\theta)$, $\sigma(E, \theta)$. ⁵⁸Ni deduced isoscalar GDR, GMR, and GQR parameters. Comparison with quasi-particle RPA calculations. JOUR PYLBB 637 43

A=59

⁵⁹Fe 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

2006TI06 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E \approx 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

⁵⁹Co 2006ME08 NUCLEAR REACTIONS Ca(μ^- , $\nu xnypz\alpha$)⁴³K / ⁴¹K / ⁴⁰K / ³⁹K / ³⁸K / ³⁷K / ³⁹Ar / ³⁸Ar / ³⁸Cl / ³⁷Cl / ³⁶Cl / ³⁵Cl / ³⁴Cl, E at rest; Fe(μ^- , $\nu xnypz\alpha$)⁵⁶Mn / ⁵⁵Mn / ⁵⁴Mn / ⁵³Mn / ⁵⁴Cr, E at rest; Ni(μ^- , $\nu xnypz\alpha$)⁵⁸Fe / ⁵⁶Fe / ⁵⁹Co / ⁵⁷Co, E at rest; measured $E\gamma$, $I\gamma$, yields. JOUR PRVCA 73 045501

A=60

⁶⁰Cr 2006LI15 RADIOACTIVITY ⁶⁰Cr, ⁶⁰Mn(β^-) [from Be(⁸⁶Kr, X) and subsequent decay]; measured β -delayed $E\gamma$, $I\gamma$, $T_{1/2}$; deduced log ft. ⁶⁰Fe, ⁶⁰Mn deduced levels J, π , configurations, β -feeding intensities. Comparison with shell model predictions. JOUR PRVCA 73 044322

2006LIZZ RADIOACTIVITY ⁶⁰Cr, ⁶⁰Mn(β^-) [from Be(⁸⁶Kr, X) and subsequent decay]; measured β -delayed $E\gamma$, $I\gamma$, $T_{1/2}$. ⁶⁰Mn deduced ground and isomeric states J, π , configurations. Comparison with shell model predictions. PREPRINT nucl-ex/0604001,4/6/2006

⁶⁰Mn 2006LI15 RADIOACTIVITY ⁶⁰Cr, ⁶⁰Mn(β^-) [from Be(⁸⁶Kr, X) and subsequent decay]; measured β -delayed $E\gamma$, $I\gamma$, $T_{1/2}$; deduced log ft. ⁶⁰Fe, ⁶⁰Mn deduced levels J, π , configurations, β -feeding intensities. Comparison with shell model predictions. JOUR PRVCA 73 044322

2006LIZZ RADIOACTIVITY ⁶⁰Cr, ⁶⁰Mn(β^-) [from Be(⁸⁶Kr, X) and subsequent decay]; measured β -delayed $E\gamma$, $I\gamma$, $T_{1/2}$. ⁶⁰Mn deduced ground and isomeric states J, π , configurations. Comparison with shell model predictions. PREPRINT nucl-ex/0604001,4/6/2006

⁶⁰Fe 2006LI15 RADIOACTIVITY ⁶⁰Cr, ⁶⁰Mn(β^-) [from Be(⁸⁶Kr, X) and subsequent decay]; measured β -delayed $E\gamma$, $I\gamma$, $T_{1/2}$; deduced log ft. ⁶⁰Fe, ⁶⁰Mn deduced levels J, π , configurations, β -feeding intensities. Comparison with shell model predictions. JOUR PRVCA 73 044322

A=60 (continued)

- 2006LIZZ RADIOACTIVITY ^{60}Cr , $^{60}\text{Mn}(\beta^-)$ [from $\text{Be}(^{86}\text{Kr}, \text{X})$ and subsequent decay]; measured β -delayed $E\gamma$, $I\gamma$, $T_{1/2}$. ^{60}Mn deduced ground and isomeric states J , π , configurations. Comparison with shell model predictions. PREPRINT nucl-ex/0604001,4/6/2006
- 2006SC16 NUCLEAR REACTIONS $\text{Pb}(p, \text{X})^{60}\text{Fe} / ^{53}\text{Mn}$, $E \approx 100\text{-}2600$ MeV; measured excitation functions. Comparison with model predictions. JOUR NIMAE 562 1057
- ^{60}Co 2006PA20 RADIOACTIVITY $^{60}\text{Co}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. INGA array, new background subtraction technique discussed. JOUR NIMAE 562 222
- ^{60}Ni 2006PA20 RADIOACTIVITY $^{60}\text{Co}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. INGA array, new background subtraction technique discussed. JOUR NIMAE 562 222

A=61

- ^{61}Cu 2006NA19 NUCLEAR REACTIONS $^{27}\text{Al}(d, \text{X})^{22}\text{Na} / ^{24}\text{Na}$, $E \approx 20\text{-}40$ MeV; $\text{Fe}(d, \text{X})^{55}\text{Co} / ^{56}\text{Co}$, $E \approx 20\text{-}40$ MeV; $\text{Cu}(d, \text{X})^{61}\text{Cu} / ^{62}\text{Zn}$, $E \approx 20\text{-}40$ MeV; $\text{Ta}(d, \text{X})^{178}\text{Ta} / ^{180}\text{Ta}$, $E \approx 20\text{-}40$ MeV; $\text{W}(d, \text{X})^{181}\text{Re} / ^{183}\text{Re}$, $E \approx 20\text{-}40$ MeV; measured activation σ . JOUR NIMAE 562 785

A=62

- ^{62}Cu 2006ER03 ATOMIC MASSES ^{62}Ga , ^{62}Zn , ^{62}Cu ; measured masses. ^{62}Ga deduced Q(EC). Penning trap mass spectrometer. JOUR PYLBB 636 191
- ^{62}Zn 2006ER03 ATOMIC MASSES ^{62}Ga , ^{62}Zn , ^{62}Cu ; measured masses. ^{62}Ga deduced Q(EC). Penning trap mass spectrometer. JOUR PYLBB 636 191
- 2006HYZZ RADIOACTIVITY $^{62}\text{Ga}(\text{EC})$, (β^+) ; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. ^{62}Zn deduced levels, J , π . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P105,Hyland
- 2006NA19 NUCLEAR REACTIONS $^{27}\text{Al}(d, \text{X})^{22}\text{Na} / ^{24}\text{Na}$, $E \approx 20\text{-}40$ MeV; $\text{Fe}(d, \text{X})^{55}\text{Co} / ^{56}\text{Co}$, $E \approx 20\text{-}40$ MeV; $\text{Cu}(d, \text{X})^{61}\text{Cu} / ^{62}\text{Zn}$, $E \approx 20\text{-}40$ MeV; $\text{Ta}(d, \text{X})^{178}\text{Ta} / ^{180}\text{Ta}$, $E \approx 20\text{-}40$ MeV; $\text{W}(d, \text{X})^{181}\text{Re} / ^{183}\text{Re}$, $E \approx 20\text{-}40$ MeV; measured activation σ . JOUR NIMAE 562 785
- ^{62}Ga 2006ER03 ATOMIC MASSES ^{62}Ga , ^{62}Zn , ^{62}Cu ; measured masses. ^{62}Ga deduced Q(EC). Penning trap mass spectrometer. JOUR PYLBB 636 191
- 2006HYZZ RADIOACTIVITY $^{62}\text{Ga}(\text{EC})$, (β^+) ; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. ^{62}Zn deduced levels, J , π . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P105,Hyland

A=63

- ^{63}Ni 2006ALZZ NUCLEAR REACTIONS $^{62}\text{Ni}(n, \gamma)$, $E=0.25\text{-}100$ keV; measured $E\gamma$, $I\gamma$, capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P273

A=64

- ⁶⁴Co 2006POZZ NUCLEAR REACTIONS ⁶⁴Ni(³He, t), E=420 MeV; ⁶⁴Ni(d, 2p), E=170 MeV; measured particle spectra; deduced Gamow-Teller strength distributions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P550,Popescu
- ⁶⁴Ni 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te(2 β^-); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd(2 β^+); measured T_{1/2} lower limits. JOUR PPNPD 57 235
- ⁶⁴Cu 2006MA34 NUCLEAR REACTIONS ⁶³Cu(n, γ), E=reactor; measured capture rates, spatial distribution in fuel assembly. JOUR NIMAE 562 393
- 2006POZZ NUCLEAR REACTIONS ⁶⁴Ni(³He, t), E=420 MeV; ⁶⁴Ni(d, 2p), E=170 MeV; measured particle spectra; deduced Gamow-Teller strength distributions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P550,Popescu
- ⁶⁴Zn 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te(2 β^-); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd(2 β^+); measured T_{1/2} lower limits. JOUR PPNPD 57 235

A=65

- ⁶⁵Zn 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=66

No references found

A=67

No references found

A=68

- ⁶⁸Se 2006GOZZ ATOMIC MASSES ⁶⁸Se, ⁸⁰Y; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P159

A=69

No references found

A=70

- ⁷⁰Ni 2006PE13 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁰Ni, ⁷⁰Ni'), (⁷⁴Zn, ⁷⁴Zn'), (⁷⁶Ge, ⁷⁶Ge'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁰Ni, ⁷⁴Zn deduced transitions B(E2), enhanced core polarization. JOUR PRLTA 96 232501
- ⁷⁰Cu 2005BL34 RADIOACTIVITY ^{70,70m}Cu(β^-) [from U(p, X)]; measured E γ , $\beta\gamma$ -coin. Isomer separation using selective resonant ionization. JOUR HYIND 162 173
- ⁷⁰Zn 2005BL34 RADIOACTIVITY ^{70,70m}Cu(β^-) [from U(p, X)]; measured E γ , $\beta\gamma$ -coin. Isomer separation using selective resonant ionization. JOUR HYIND 162 173
- 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te(2 β^-); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd(2 β^+); measured T_{1/2} lower limits. JOUR PPNPD 57 235
- ⁷⁰Ge 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te(2 β^-); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd(2 β^+); measured T_{1/2} lower limits. JOUR PPNPD 57 235

A=71

- ⁷¹Ge 2006AB11 NUCLEAR REACTIONS ⁷¹Ga(ν , e), E=spectrum; measured production rate using ³⁷Ar neutrino source. Comparison with model predictions, implications for solar neutrino experiment discussed. JOUR PRVCA 73 045805
- 2006AB17 NUCLEAR REACTIONS ⁷¹Ga(ν , e), E=spectrum; measured solar neutrino capture rate. JOUR APHYE 25 349

A=72

No references found

A=73

No references found

A=74

- ⁷⁴Zn 2006PE13 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁰Ni, ⁷⁰Ni'), (⁷⁴Zn, ⁷⁴Zn'), (⁷⁶Ge, ⁷⁶Ge'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁰Ni, ⁷⁴Zn deduced transitions B(E2), enhanced core polarization. JOUR PRLTA 96 232501

A=74 (continued)

⁷⁴As 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=75

No references found

A=76

No references found

A=77

⁷⁷Br 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E ≈ 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

A=78

⁷⁸Kr 2006BE18 NUCLEAR REACTIONS ²⁶Mg, ⁴⁸Ti, ²⁰⁸Pb(⁷⁸Kr, ⁷⁸Kr'), E=180, 200, 350 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁸Kr deduced levels, J, π , B(E2), B(M1), quadrupole moments, deformation parameters. Comparison with model predictions. JOUR NUPAB 770 107

A=79

⁷⁹Kr 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E ≈ 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

⁷⁹Rb 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E ≈ 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

A=80

⁸⁰ Se	2006REZY	NUCLEAR REACTIONS ¹⁹² Os(⁸² Se, ⁸⁰ Se), (⁸² Se, ⁸² Se'), (⁸² Se, ⁸⁴ Se), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{80,82,84} Se deduced levels, J, π . GASP array, comparison with shell model predictions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P464,Regan
⁸⁰ Br	2006BU07	NUCLEAR REACTIONS Rb(p, X) ⁸⁰ Sr / ⁸¹ Sr / ⁸² Sr / ⁸³ Sr / ⁸⁵ Sr / ⁷⁹ Rb / ⁸¹ Rb / ^{82m} Rb / ⁸³ Rb / ⁸⁴ Rb / ⁸⁶ Rb / ⁷⁷ Br / ^{80m} Br / ⁷⁹ Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
⁸⁰ Sr	2006BU07	NUCLEAR REACTIONS Rb(p, X) ⁸⁰ Sr / ⁸¹ Sr / ⁸² Sr / ⁸³ Sr / ⁸⁵ Sr / ⁷⁹ Rb / ⁸¹ Rb / ^{82m} Rb / ⁸³ Rb / ⁸⁴ Rb / ⁸⁶ Rb / ⁷⁷ Br / ^{80m} Br / ⁷⁹ Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
⁸⁰ Y	2006GOZZ	ATOMIC MASSES ⁶⁸ Se, ⁸⁰ Y; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P159

A=81

⁸¹ Kr	2006LE22	NUCLEAR REACTIONS Pb, Bi(p, X) ³ He / ⁴ He / ²¹ Ne / ²² Ne / ⁸¹ Kr / ⁸² Kr / ⁸⁵ Kr / ¹²⁶ Xe / ¹³² Xe, E \approx 10-2600 MeV; measured production σ . JOUR NIMAE 562 760
⁸¹ Rb	2006BU07	NUCLEAR REACTIONS Rb(p, X) ⁸⁰ Sr / ⁸¹ Sr / ⁸² Sr / ⁸³ Sr / ⁸⁵ Sr / ⁷⁹ Rb / ⁸¹ Rb / ^{82m} Rb / ⁸³ Rb / ⁸⁴ Rb / ⁸⁶ Rb / ⁷⁷ Br / ^{80m} Br / ⁷⁹ Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
⁸¹ Sr	2006BU07	NUCLEAR REACTIONS Rb(p, X) ⁸⁰ Sr / ⁸¹ Sr / ⁸² Sr / ⁸³ Sr / ⁸⁵ Sr / ⁷⁹ Rb / ⁸¹ Rb / ^{82m} Rb / ⁸³ Rb / ⁸⁴ Rb / ⁸⁶ Rb / ⁷⁷ Br / ^{80m} Br / ⁷⁹ Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

A=82

⁸² Se	2006REZY	NUCLEAR REACTIONS ¹⁹² Os(⁸² Se, ⁸⁰ Se), (⁸² Se, ⁸² Se'), (⁸² Se, ⁸⁴ Se), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{80,82,84} Se deduced levels, J, π . GASP array, comparison with shell model predictions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P464,Regan
⁸² Kr	2006LE22	NUCLEAR REACTIONS Pb, Bi(p, X) ³ He / ⁴ He / ²¹ Ne / ²² Ne / ⁸¹ Kr / ⁸² Kr / ⁸⁵ Kr / ¹²⁶ Xe / ¹³² Xe, E \approx 10-2600 MeV; measured production σ . JOUR NIMAE 562 760
⁸² Rb	2006BU07	NUCLEAR REACTIONS Rb(p, X) ⁸⁰ Sr / ⁸¹ Sr / ⁸² Sr / ⁸³ Sr / ⁸⁵ Sr / ⁷⁹ Rb / ⁸¹ Rb / ^{82m} Rb / ⁸³ Rb / ⁸⁴ Rb / ⁸⁶ Rb / ⁷⁷ Br / ^{80m} Br / ⁷⁹ Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
⁸² Sr	2006BU07	NUCLEAR REACTIONS Rb(p, X) ⁸⁰ Sr / ⁸¹ Sr / ⁸² Sr / ⁸³ Sr / ⁸⁵ Sr / ⁷⁹ Rb / ⁸¹ Rb / ^{82m} Rb / ⁸³ Rb / ⁸⁴ Rb / ⁸⁶ Rb / ⁷⁷ Br / ^{80m} Br / ⁷⁹ Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

A=83

- ⁸³Kr 2006SI11 NUCLEAR MOMENTS ⁸³Kr; measured hfs; deduced coupling constants. Two-step laser excitation. JOUR PLRAA 73 032508
- 2006VE03 RADIOACTIVITY ⁸³Rb(EC), (β^+) [from Kr(p, xn)]; ^{83m}Kr(IT) [from ⁸³Rb decay]; measured E γ , I γ , X-ray spectra. ⁸³Kr deduced transition energy. JOUR NIMAE 560 352
- ⁸³Rb 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
- 2006VE03 RADIOACTIVITY ⁸³Rb(EC), (β^+) [from Kr(p, xn)]; ^{83m}Kr(IT) [from ⁸³Rb decay]; measured E γ , I γ , X-ray spectra. ⁸³Kr deduced transition energy. JOUR NIMAE 560 352
- ⁸³Sr 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

A=84

- ⁸⁴Se 2006REZY NUCLEAR REACTIONS ¹⁹²Os(⁸²Se, ⁸⁰Se), (⁸²Se, ⁸²Se'), (⁸²Se, ⁸⁴Se), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{80,82,84}Se deduced levels, J, π . GASP array, comparison with shell model predictions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P464,Regan
- ⁸⁴Br 2005BE77 NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹²⁹Sb / ¹³⁰Sb / ¹³¹Te / ¹³²Sb / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV; measured E γ , I γ ; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPE 69 745
- ⁸⁴Rb 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

A=85

- ⁸⁵Kr 2006LE22 NUCLEAR REACTIONS Pb, Bi(p, X)³He / ⁴He / ²¹Ne / ²²Ne / ⁸¹Kr / ⁸²Kr / ⁸⁵Kr / ¹²⁶Xe / ¹³²Xe, E \approx 10-2600 MeV; measured production σ . JOUR NIMAE 562 760
- ⁸⁵Sr 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E \approx 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915

A=86

- ⁸⁶Rb 2006BU07 NUCLEAR REACTIONS Rb(p, X)⁸⁰Sr / ⁸¹Sr / ⁸²Sr / ⁸³Sr / ⁸⁵Sr / ⁷⁹Rb / ⁸¹Rb / ^{82m}Rb / ⁸³Rb / ⁸⁴Rb / ⁸⁶Rb / ⁷⁷Br / ^{80m}Br / ⁷⁹Kr, E ≈ 8-100 MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
- 2006TI06 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E ≈ 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=87

No references found

A=88

- ⁸⁸Rb 2006HEZY NUCLEAR REACTIONS ⁴⁵Sc, ⁵⁹Co, ^{63,65}Cu, ^{79,81}Br, ⁸⁷Rb(n, γ), E=spectrum; measured Maxwellian-averaged capture σ. Astrophysical implications discussed. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P265,Heil
- ⁸⁸Nb 2006PA20 NUCLEAR REACTIONS ⁶³Cu(³¹P, xnyp), E=125 MeV; measured Eγ, Iγ, γγ-coin. ¹⁸¹Ta(³¹P, ³¹P'), E=125 MeV; measured Eγ, Iγ, γγ-coin following Coulomb excitation. ^{88,89}Nb, ¹⁸¹Ta deduced transitions. INGA array, new background subtraction technique discussed. JOUR NIMAE 562 222

A=89

- ⁸⁹Nb 2006PA20 NUCLEAR REACTIONS ⁶³Cu(³¹P, xnyp), E=125 MeV; measured Eγ, Iγ, γγ-coin. ¹⁸¹Ta(³¹P, ³¹P'), E=125 MeV; measured Eγ, Iγ, γγ-coin following Coulomb excitation. ^{88,89}Nb, ¹⁸¹Ta deduced transitions. INGA array, new background subtraction technique discussed. JOUR NIMAE 562 222

A=90

- ⁹⁰Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=90 (continued)

⁹⁰Nb 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=91

⁹¹Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

⁹¹Zr 2006OHZZ NUCLEAR REACTIONS ^{90,94}Zr(n, γ), E=15-100, 550 keV; measured E γ , I γ , capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P373,Ohgama

 2006REZZ NUCLEAR REACTIONS ⁸²Se(¹³C, 3n), (¹³C, 4n), E=50 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{91,92}Zr deduced levels, J, π , configurations, isomeric states T_{1/2}. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P35,Regan

A=92

⁹²Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

⁹²Zr 2006REZZ NUCLEAR REACTIONS ⁸²Se(¹³C, 3n), (¹³C, 4n), E=50 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{91,92}Zr deduced levels, J, π , configurations, isomeric states T_{1/2}. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P35,Regan

⁹²Mo 2006RU06 NUCLEAR REACTIONS ⁹²Mo(γ , γ'), E=6.0 MeV bremsstrahlung; ^{98,100}Mo(γ , γ'), E \approx 3.3, 3.8 MeV bremsstrahlung; measured E γ , I γ . ^{92,98,100}Mo deduced transitions B(M1), strength distributions. Comparison with quasiparticle RPA model predictions. JOUR PRVCA 73 044308

A=93

⁹³Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=93 (continued)

- ⁹³Zr 2006LAZZ NUCLEAR REACTIONS ⁹²Zr(n, γ), E=fast; measured E γ , I γ . Possible baseline distortion effects discussed. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P402,Laptev
- ⁹³Nb 2006CH26 NUCLEAR REACTIONS ⁹³Nb(¹²⁴Xe, ¹²⁴Xe'), E=55 MeV / nucleon; measured Doppler-shifted E γ , I γ following projectile Coulomb excitation. ¹²⁴Xe deduced excited state T_{1/2}. Time-of-flight technique, recoil-distance technique. JOUR NIMAE 562 230
- ⁹³Mo 2006CH14 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ⁹⁸Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced level densities; deduced thermodynamical quantities, phase transition features. JOUR PRVCA 73 034311

A=94

- ⁹⁴Kr 2006MAZZ ATOMIC MASSES ^{94,95}Kr, ^{98,99,100}Sr, ¹⁰¹Y, ^{108,109,110}Mo, ^{109,111}Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
- ⁹⁴Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ⁹⁴Mo 2006CH14 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ⁹⁸Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced level densities; deduced thermodynamical quantities, phase transition features. JOUR PRVCA 73 034311
- 2006VOZY NUCLEAR REACTIONS ⁹²Zr, ⁹⁴Mo(e, e'), (p, p'), E not given; measured $\sigma(E, \theta)$. ⁹⁴Mo deduced symmetric and mixed-symmetry one-phonon states. Comparison with shell model and quasiparticle phonon model predictions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P611

A=95

- ⁹⁵Kr 2006GE05 RADIOACTIVITY ⁹⁵Kr(IT) [from ²⁴¹Pu(n, F)]; measured E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}. ⁹⁵Kr deduced levels, J, π , deformation. JOUR PRVCA 73 037308
- 2006MAZZ ATOMIC MASSES ^{94,95}Kr, ^{98,99,100}Sr, ¹⁰¹Y, ^{108,109,110}Mo, ^{109,111}Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
- ⁹⁵Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=95 (continued)

- ⁹⁵Sr 2006HW01 RADIOACTIVITY ²⁵²Cf(SF); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{95,97}Sr, ^{97,100,104}Zr, ¹⁰⁶Mo, ¹⁴⁸Ce deduced levels T_{1/2}, B(E2), quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316
- ⁹⁵Zr 2006OHZZ NUCLEAR REACTIONS ^{90,94}Zr(n, γ), E=15-100, 550 keV; measured E γ , I γ , capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P373,Ohgama
- ⁹⁵Mo 2006CH14 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ⁹⁸Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced level densities; deduced thermodynamical quantities, phase transition features. JOUR PRVCA 73 034311
- ⁹⁵Tc 2006KH03 NUCLEAR REACTIONS Mo(p, xn)^{99m}Tc / ⁹⁶Tc / ^{95m}Tc / ⁹⁵Tc, E=10-30 MeV; measured production σ . Stacked-foil activation technique, comparison with previous results. JOUR KPSJA 48 821

A=96

- ⁹⁶Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ⁹⁶Mo 2006CH14 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ⁹⁸Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced level densities; deduced thermodynamical quantities, phase transition features. JOUR PRVCA 73 034311
- ⁹⁶Tc 2006KH03 NUCLEAR REACTIONS Mo(p, xn)^{99m}Tc / ⁹⁶Tc / ^{95m}Tc / ⁹⁵Tc, E=10-30 MeV; measured production σ . Stacked-foil activation technique, comparison with previous results. JOUR KPSJA 48 821

A=97

- ⁹⁷Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ⁹⁷Sr 2006HW01 RADIOACTIVITY ²⁵²Cf(SF); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{95,97}Sr, ^{97,100,104}Zr, ¹⁰⁶Mo, ¹⁴⁸Ce deduced levels T_{1/2}, B(E2), quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316
- ⁹⁷Zr 2006HW01 RADIOACTIVITY ²⁵²Cf(SF); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{95,97}Sr, ^{97,100,104}Zr, ¹⁰⁶Mo, ¹⁴⁸Ce deduced levels T_{1/2}, B(E2), quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316

A=97 (continued)

⁹⁷Mo 2006CH14 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ⁹⁸Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E_γ, I_γ, (particle)γ-coin. ^{93,94,95,96,97,98}Mo deduced level densities; deduced thermodynamical quantities, phase transition features. JOUR PRVCA 73 034311

A=98

⁹⁸Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

⁹⁸Sr 2006MAZZ ATOMIC MASSES ^{94,95}Kr, ^{98,99,100}Sr, ¹⁰¹Y, ^{108,109,110}Mo, ^{109,111}Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos

⁹⁸Mo 2006CH14 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ⁹⁸Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E_γ, I_γ, (particle)γ-coin. ^{93,94,95,96,97,98}Mo deduced level densities; deduced thermodynamical quantities, phase transition features. JOUR PRVCA 73 034311

2006RU06 NUCLEAR REACTIONS ⁹²Mo(γ, γ'), E=6.0 MeV bremsstrahlung; ^{98,100}Mo(γ, γ'), E ≈ 3.3, 3.8 MeV bremsstrahlung; measured E_γ, I_γ. ^{92,98,100}Mo deduced transitions B(M1), strength distributions. Comparison with quasiparticle RPA model predictions. JOUR PRVCA 73 044308

A=99

⁹⁹Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

⁹⁹Sr 2006MAZZ ATOMIC MASSES ^{94,95}Kr, ^{98,99,100}Sr, ¹⁰¹Y, ^{108,109,110}Mo, ^{109,111}Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos

⁹⁹Tc 2006KH03 NUCLEAR REACTIONS Mo(p, xn)^{99m}Tc / ⁹⁶Tc / ^{95m}Tc / ⁹⁵Tc, E=10-30 MeV; measured production σ. Stacked-foil activation technique, comparison with previous results. JOUR KPSJA 48 821

A=100

¹⁰⁰Rb 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=100 (continued)

¹⁰⁰ Sr	2006MAZZ	ATOMIC MASSES ^{94,95} Kr, ^{98,99,100} Sr, ¹⁰¹ Y, ^{108,109,110} Mo, ^{109,111} Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
¹⁰⁰ Zr	2006HW01	RADIOACTIVITY ²⁵² Cf(SF); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{95,97} Sr, ^{97,100,104} Zr, ¹⁰⁶ Mo, ¹⁴⁸ Ce deduced levels T _{1/2} , B(E2), quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316
¹⁰⁰ Mo	2006RU06	NUCLEAR REACTIONS ⁹² Mo(γ , γ'), E=6.0 MeV bremsstrahlung; ^{98,100} Mo(γ , γ'), E \approx 3.3, 3.8 MeV bremsstrahlung; measured E γ , I γ . ^{92,98,100} Mo deduced transitions B(M1), strength distributions. Comparison with quasiparticle RPA model predictions. JOUR PRVCA 73 044308
¹⁰⁰ Tc	2005FU18	NUCLEAR REACTIONS ⁹⁹ Tc(n, γ), E=thermal; measured prompt and delayed E γ , I γ ; deduced σ . JOUR JNRS A 6 283
	2005FU18	RADIOACTIVITY ¹⁰⁰ Tc(β^-) [from ⁹⁹ Tc(n, γ)]; measured E γ , I γ . ¹⁰⁰ Ru deduced γ -ray emission probabilities. JOUR JNRS A 6 283
¹⁰⁰ Ru	2005FU18	RADIOACTIVITY ¹⁰⁰ Tc(β^-) [from ⁹⁹ Tc(n, γ)]; measured E γ , I γ . ¹⁰⁰ Ru deduced γ -ray emission probabilities. JOUR JNRS A 6 283
¹⁰⁰ Rh	2006ST07	NUCLEAR REACTIONS ¹⁹⁷ Au(²⁰ Ne, X) ³⁷ Ar / ¹²⁷ Xe, E=8 GeV; ¹⁹⁷ Au(¹² C, X) ³⁷ Ar / ¹²⁷ Xe, E=25 GeV; ¹⁹⁷ Au(²⁸ Si, X) ³⁷ Ar / ¹²⁷ Xe, E=381 GeV; ¹⁹⁷ Au(p, X) ²⁴ Na / ²⁸ Mg / ⁴⁸ Sc / ⁴⁸ V / ⁵⁸ Co / ⁵⁹ Fe / ⁶⁵ Zn / ⁷⁴ As / ⁹⁰ Nb / ¹⁰⁰ Pd / ¹⁰⁰ Rh / ¹³¹ Ba / ¹⁴⁹ Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602
¹⁰⁰ Pd	2006ST07	NUCLEAR REACTIONS ¹⁹⁷ Au(²⁰ Ne, X) ³⁷ Ar / ¹²⁷ Xe, E=8 GeV; ¹⁹⁷ Au(¹² C, X) ³⁷ Ar / ¹²⁷ Xe, E=25 GeV; ¹⁹⁷ Au(²⁸ Si, X) ³⁷ Ar / ¹²⁷ Xe, E=381 GeV; ¹⁹⁷ Au(p, X) ²⁴ Na / ²⁸ Mg / ⁴⁸ Sc / ⁴⁸ V / ⁵⁸ Co / ⁵⁹ Fe / ⁶⁵ Zn / ⁷⁴ As / ⁹⁰ Nb / ¹⁰⁰ Pd / ¹⁰⁰ Rh / ¹³¹ Ba / ¹⁴⁹ Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=101

¹⁰¹ Y	2006MAZZ	ATOMIC MASSES ^{94,95} Kr, ^{98,99,100} Sr, ¹⁰¹ Y, ^{108,109,110} Mo, ^{109,111} Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
¹⁰¹ Zr	2006OR05	RADIOACTIVITY ²⁵² Cf(SF); measured E γ , I γ (θ , H), $\gamma\gamma$ -coin. ¹⁰¹ Zr, ^{103,105} Mo levels deduced δ , g-factors, quadrupole moments, configurations. Gammasphere array, time-integrated perturbed angular correlation, rigid triaxial rotor-plus-particle calculations. JOUR PRVCA 73 054310
¹⁰¹ Rh	2006TI06	NUCLEAR REACTIONS Pb, ²⁰⁸ Pb, ²⁰⁹ Bi(p, X) ²⁰³ Pb / ²⁰⁰ Tl / ¹⁹⁹ Tl / ¹⁹⁶ Au / ¹⁹² Ir / ¹⁹⁰ Ir / ¹⁷³ Lu / ^{101m} Rh / ⁸⁶ Rb / ⁵⁹ Fe / ²⁴ Na / ⁷ Be, E \approx 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=102

- ^{102}Mo 2006RA12 NUCLEAR REACTIONS $^{100}\text{Mo}(t, p)$, $E=12$ MeV; measured E_p , $\sigma(\theta)$. ^{102}Mo deduced levels, J , π . Comparison with previous results, model predictions. JOUR PRVCA 73 054311
- ^{102}In 2006KA16 RADIOACTIVITY $^{102,104}\text{Sn}(\text{EC})$, (β^+) [from $^{50}\text{Cr}(^{58}\text{Ni}, X)$, $E=284\text{-}302$ MeV]; measured $E\beta$, $I\beta$, β -delayed $E\gamma$, $I\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin; deduced Gamow-Teller strength. $^{102,104}\text{In}$ deduced levels, J , π . Mass separated source, total absorption spectrometer. JOUR ZAANE 27 129
- ^{102}Sn 2006KA16 RADIOACTIVITY $^{102,104}\text{Sn}(\text{EC})$, (β^+) [from $^{50}\text{Cr}(^{58}\text{Ni}, X)$, $E=284\text{-}302$ MeV]; measured $E\beta$, $I\beta$, β -delayed $E\gamma$, $I\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin; deduced Gamow-Teller strength. $^{102,104}\text{In}$ deduced levels, J , π . Mass separated source, total absorption spectrometer. JOUR ZAANE 27 129

A=103

- ^{103}Mo 2006OR05 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, H)$, $\gamma\gamma$ -coin. ^{101}Zr , $^{103,105}\text{Mo}$ levels deduced δ , g -factors, quadrupole moments, configurations. Gammasphere array, time-integrated perturbed angular correlation, rigid triaxial rotor-plus-particle calculations. JOUR PRVCA 73 054310
- ^{103}Pd 2006FIZZ NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(n, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P389,Firestone
- 2006HAZX NUCLEAR REACTIONS Pd , $^{102}\text{Pd}(n, \gamma)$, $E \approx 0\text{-}200$ keV; measured $E\gamma$, $I\gamma$, σ ; deduced resonances. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P278,Hatarik
- ^{103}Ag 2006DE15 NUCLEAR REACTIONS $^{78}\text{Se}(^{32}\text{S}, 2n\alpha)$, $E=130$ MeV; $^{80}\text{Se}(^{30}\text{Si}, 4n\text{p})$, $(^{30}\text{Si}, 3n\text{p})$, $E=120$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. $^{103,105,106}\text{Ag}$ levels deduced $T_{1/2}$, $B(M1)$, $B(E2)$. Comparison with tilted-axis cranking model predictions. JOUR PRVCA 73 034313

A=104

- ^{104}Zr 2006HW01 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, $^{97,100,104}\text{Zr}$, ^{106}Mo , ^{148}Ce deduced levels $T_{1/2}$, $B(E2)$, quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316
- ^{104}In 2006KA16 RADIOACTIVITY $^{102,104}\text{Sn}(\text{EC})$, (β^+) [from $^{50}\text{Cr}(^{58}\text{Ni}, X)$, $E=284\text{-}302$ MeV]; measured $E\beta$, $I\beta$, β -delayed $E\gamma$, $I\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin; deduced Gamow-Teller strength. $^{102,104}\text{In}$ deduced levels, J , π . Mass separated source, total absorption spectrometer. JOUR ZAANE 27 129
- ^{104}Sn 2006HEZX RADIOACTIVITY $^{109}\text{I}(p)$ [from $^{54}\text{Fe}(^{58}\text{Ni}, 2n\text{p})$]; measured E_p , I_p ; deduced α -decay branch upper limit. $^{109}\text{I}(\alpha)$; $^{105}\text{Sb}(p)$; deduced Q -value limits. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P355,Hecht

A=104 (continued)

2006KA16 RADIOACTIVITY $^{102,104}\text{Sn}(\text{EC})$, (β^+) [from $^{50}\text{Cr}(^{58}\text{Ni}, \text{X})$, $E=284\text{-}302$ MeV]; measured $E\beta$, $I\beta$, β -delayed $E\gamma$, $I\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin; deduced Gamow-Teller strength. $^{102,104}\text{In}$ deduced levels, J , π . Mass separated source, total absorption spectrometer. JOUR ZAANE 27 129

A=105

^{105}Mo 2006OR05 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H})$, $\gamma\gamma$ -coin. ^{101}Zr , $^{103,105}\text{Mo}$ levels deduced δ , g -factors, quadrupole moments, configurations. Gammasphere array, time-integrated perturbed angular correlation, rigid triaxial rotor-plus-particle calculations. JOUR PRVCA 73 054310

^{105}Pd 2006FIZZ NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(\text{n}, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P389,Firestone

^{105}Ag 2006DE15 NUCLEAR REACTIONS $^{78}\text{Se}(^{32}\text{S}, 2\text{np}\alpha)$, $E=130$ MeV; $^{80}\text{Se}(^{30}\text{Si}, 4\text{np})$, ($^{30}\text{Si}, 3\text{np}$), $E=120$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. $^{103,105,106}\text{Ag}$ levels deduced $T_{1/2}$, $B(\text{M}1)$, $B(\text{E}2)$. Comparison with tilted-axis cranking model predictions. JOUR PRVCA 73 034313

2006MA29 NUCLEAR REACTIONS $\text{Cd}(\text{n}, \text{X})^{115}\text{Cd} / ^{111}\text{In} / ^{105}\text{Ag} / ^{106\text{m}}\text{Ag} / ^{110\text{m}}\text{Ag} / ^{111}\text{Ag}$, $E=\text{spectrum}$; $\text{Cd}(\text{p}, \text{X})^{111}\text{In}$, $E=\text{spectrum}$; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823

^{105}Sb 2006HEZX RADIOACTIVITY $^{109}\text{I}(\text{p})$ [from $^{54}\text{Fe}(^{58}\text{Ni}, 2\text{np})$]; measured $E\text{p}$, $I\text{p}$; deduced α -decay branch upper limit. $^{109}\text{I}(\alpha)$; $^{105}\text{Sb}(\text{p})$; deduced Q -value limits. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P355,Hecht

A=106

^{106}Mo 2005WAZR ATOMIC MASSES $^{106,107}\text{Mo}$, $^{107,108}\text{Tc}$, $^{108,109,110,111}\text{Ru}$, ^{111}Rh ; measured fission fragment masses. REPT ANL-05/61,P22,Wang

2006HW01 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, $^{97,100,104}\text{Zr}$, ^{106}Mo , ^{148}Ce deduced levels $T_{1/2}$, $B(\text{E}2)$, quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316

^{106}Pd 2006FIZZ NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(\text{n}, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P389,Firestone

2006ZU02 RADIOACTIVITY $^{113}\text{Cd}(\beta^-)$; measured $E\beta$, $T_{1/2}$. ^{70}Zn , ^{116}Cd , $^{128,130}\text{Te}(2\beta^-)$; ^{64}Zn , ^{106}Cd , $^{120}\text{Te}(\beta^+\text{EC})$, (2EC); $^{106}\text{Cd}(2\beta^+)$; measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235

^{106}Ag 2006DE15 NUCLEAR REACTIONS $^{78}\text{Se}(^{32}\text{S}, 2\text{np}\alpha)$, $E=130$ MeV; $^{80}\text{Se}(^{30}\text{Si}, 4\text{np})$, ($^{30}\text{Si}, 3\text{np}$), $E=120$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. $^{103,105,106}\text{Ag}$ levels deduced $T_{1/2}$, $B(\text{M}1)$, $B(\text{E}2)$. Comparison with tilted-axis cranking model predictions. JOUR PRVCA 73 034313

A=106 (continued)

- 2006MA29 NUCLEAR REACTIONS Cd(n, X)¹¹⁵Cd / ¹¹¹In / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag, E=spectrum; Cd(p, X)¹¹¹In, E=spectrum; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823
- ¹⁰⁶Cd 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te(2 β^-); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd(2 β^+); measured T_{1/2} lower limits. JOUR PPNPD 57 235

A=107

- ¹⁰⁷Mo 2005WAZR ATOMIC MASSES ^{106,107}Mo, ^{107,108}Tc, ^{108,109,110,111}Ru, ¹¹¹Rh; measured fission fragment masses. REPT ANL-05/61,P22,Wang
- ¹⁰⁷Tc 2005WAZR ATOMIC MASSES ^{106,107}Mo, ^{107,108}Tc, ^{108,109,110,111}Ru, ¹¹¹Rh; measured fission fragment masses. REPT ANL-05/61,P22,Wang
- ¹⁰⁷Pd 2006FIZZ NUCLEAR REACTIONS ^{102,104,105,106,108,110}Pd(n, γ), E=thermal; measured E γ , I γ , capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P389,Firestone
- ¹⁰⁷In 2006GYZZ NUCLEAR REACTIONS ^{106,108}Cd(p, γ), E=2.4-4.8 MeV; ¹⁰⁶Cd(α , γ), E=8.0-12.5 MeV; measured σ ; deduced astrophysical S-factors. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P201,Gyurky

A=108

- ¹⁰⁸Mo 2006MAZZ ATOMIC MASSES ^{94,95}Kr, ^{98,99,100}Sr, ¹⁰¹Y, ^{108,109,110}Mo, ^{109,111}Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
- ¹⁰⁸Tc 2005WAZR ATOMIC MASSES ^{106,107}Mo, ^{107,108}Tc, ^{108,109,110,111}Ru, ¹¹¹Rh; measured fission fragment masses. REPT ANL-05/61,P22,Wang
- ¹⁰⁸Ru 2005WAZR ATOMIC MASSES ^{106,107}Mo, ^{107,108}Tc, ^{108,109,110,111}Ru, ¹¹¹Rh; measured fission fragment masses. REPT ANL-05/61,P22,Wang
- ¹⁰⁸Te 2006HEZX RADIOACTIVITY ¹⁰⁹I(p) [from ⁵⁴Fe(⁵⁸Ni, 2np)]; measured E_p, I_p; deduced α -decay branch upper limit. ¹⁰⁹I(α); ¹⁰⁵Sb(p); deduced Q-value limits. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P355,Hecht

A=109

- ¹⁰⁹Mo 2006MAZZ ATOMIC MASSES ^{94,95}Kr, ^{98,99,100}Sr, ¹⁰¹Y, ^{108,109,110}Mo, ^{109,111}Tc; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
- 2006UR01 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁹Mo deduced levels, J, π , configurations. Eurogam2 array. JOUR PRVCA 73 037302

A=109 (continued)

^{109}Tc	2006MAZZ	ATOMIC MASSES $^{94,95}\text{Kr}$, $^{98,99,100}\text{Sr}$, ^{101}Y , $^{108,109,110}\text{Mo}$, $^{109,111}\text{Tc}$; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
^{109}Ru	2005WAZR	ATOMIC MASSES $^{106,107}\text{Mo}$, $^{107,108}\text{Tc}$, $^{108,109,110,111}\text{Ru}$, ^{111}Rh ; measured fission fragment masses. REPT ANL-05/61,P22,Wang
	2006WU01	NUCLEAR REACTIONS $^{238}\text{U}(\alpha, \text{F})^{109}\text{Ru} / ^{110}\text{Ru} / ^{111}\text{Ru} / ^{112}\text{Ru}$, $E=30$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (fragment) γ -coin. $^{109,110,111,112}\text{Ru}$ deduced high-spin levels, J , π , configurations, $B(M1) / B(E2)$. Gammasphere, Chico arrays, cranked mean-field calculations. JOUR PRVCA 73 034312
^{109}Pd	2006FIZZ	NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(n, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P389,Firestone
^{109}In	2006GYZY	NUCLEAR REACTIONS $^{106}\text{Cd}(\alpha, \gamma)$, (α, n) , (α, p) , $E \approx 8-12$ MeV; measured σ ; deduced astrophysical S-factors. Comparison with model predictions. PREPRINT nucl-ex/0605034,5/26/2006
	2006GYZZ	NUCLEAR REACTIONS $^{106,108}\text{Cd}(p, \gamma)$, $E=2.4-4.8$ MeV; $^{106}\text{Cd}(\alpha, \gamma)$, $E=8.0-12.5$ MeV; measured σ ; deduced astrophysical S-factors. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P201,Gyurky
	2006HE13	NUCLEAR REACTIONS $\text{Sn}(p, xn)^{124}\text{Sb} / ^{122}\text{Sb} / ^{120}\text{Sb} / ^{118m}\text{Sb} / ^{117}\text{Sb} / ^{116m}\text{Sb} / ^{115}\text{Sb}$, $E \approx 3-66$ MeV; $\text{Sn}(p, xnyp)^{117m}\text{Sn} / ^{113}\text{Sn} / ^{114m}\text{In} / ^{111}\text{In} / ^{110}\text{In} / ^{109}\text{In}$, $E \approx 3-66$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
^{109}Sn	2006GYZY	NUCLEAR REACTIONS $^{106}\text{Cd}(\alpha, \gamma)$, (α, n) , (α, p) , $E \approx 8-12$ MeV; measured σ ; deduced astrophysical S-factors. Comparison with model predictions. PREPRINT nucl-ex/0605034,5/26/2006
^{109}I	2006HEZX	RADIOACTIVITY $^{109}\text{I}(p)$ [from $^{54}\text{Fe}(^{58}\text{Ni}, 2np)$]; measured E_p , I_p ; deduced α -decay branch upper limit. $^{109}\text{I}(\alpha)$; $^{105}\text{Sb}(p)$; deduced Q-value limits. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P355,Hecht
^{109}Xe	2006HEZX	NUCLEAR REACTIONS $^{58}\text{Ni}(^{58}\text{Ni}, 3n)$, $E=250, 260$ MeV; $^{54}\text{Fe}(^{58}\text{Ni}, 3n)$, $E=240$ MeV; measured σ upper limits. Fragment separator. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P355,Hecht

A=110

^{110}Mo	2006MAZZ	ATOMIC MASSES $^{94,95}\text{Kr}$, $^{98,99,100}\text{Sr}$, ^{101}Y , $^{108,109,110}\text{Mo}$, $^{109,111}\text{Tc}$; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
^{110}Ru	2005WAZR	ATOMIC MASSES $^{106,107}\text{Mo}$, $^{107,108}\text{Tc}$, $^{108,109,110,111}\text{Ru}$, ^{111}Rh ; measured fission fragment masses. REPT ANL-05/61,P22,Wang

A=110 (continued)

- 2006WU01 NUCLEAR REACTIONS $^{238}\text{U}(\alpha, \text{F})^{109}\text{Ru} / ^{110}\text{Ru} / ^{111}\text{Ru} / ^{112}\text{Ru}$, E=30 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (fragment) γ -coin. $^{109,110,111,112}\text{Ru}$ deduced high-spin levels, J, π , configurations, B(M1) / B(E2). Gammasphere, Chico arrays, cranked mean-field calculations. JOUR PRVCA 73 034312
- ^{110}Ag 2006MA29 NUCLEAR REACTIONS $\text{Cd}(\text{n}, \text{X})^{115}\text{Cd} / ^{111}\text{In} / ^{105}\text{Ag} / ^{106m}\text{Ag} / ^{110m}\text{Ag} / ^{111}\text{Ag}$, E=spectrum; $\text{Cd}(\text{p}, \text{X})^{111}\text{In}$, E=spectrum; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823
- ^{110}In 2006HE13 NUCLEAR REACTIONS $\text{Sn}(\text{p}, \text{xn})^{124}\text{Sb} / ^{122}\text{Sb} / ^{120}\text{Sb} / ^{118m}\text{Sb} / ^{117}\text{Sb} / ^{116m}\text{Sb} / ^{115}\text{Sb}$, E \approx 3-66 MeV; $\text{Sn}(\text{p}, \text{xnp})^{117m}\text{Sn} / ^{113}\text{Sn} / ^{114m}\text{In} / ^{111}\text{In} / ^{110}\text{In} / ^{109}\text{In}$, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- ^{110}Sn 2006GYZY NUCLEAR REACTIONS $^{106}\text{Cd}(\alpha, \gamma)$, (α, n) , (α, p) , E \approx 8-12 MeV; measured σ ; deduced astrophysical S-factors. Comparison with model predictions. PREPRINT nucl-ex/0605034,5/26/2006
- 2006GYZZ NUCLEAR REACTIONS $^{106,108}\text{Cd}(\text{p}, \gamma)$, E=2.4-4.8 MeV; $^{106}\text{Cd}(\alpha, \gamma)$, E=8.0-12.5 MeV; measured σ ; deduced astrophysical S-factors. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P201,Gyurky
- ^{110}Te 2006EV01 NUCLEAR REACTIONS $^{58}\text{Ni}(^{58}\text{Ni}, 2\text{p}\alpha)$, $(^{58}\text{Ni}, 4\text{p})$, E=240, 250 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, DSA. $^{110,112}\text{Te}$ deduced high-spin levels, J, π , B(M1), B(E2), $T_{1/2}$. Gammasphere and Microball arrays. JOUR PYLBB 636 25

A=111

- ^{111}Tc 2006MAZZ ATOMIC MASSES $^{94,95}\text{Kr}$, $^{98,99,100}\text{Sr}$, ^{101}Y , $^{108,109,110}\text{Mo}$, $^{109,111}\text{Tc}$; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
- ^{111}Ru 2005WAZR ATOMIC MASSES $^{106,107}\text{Mo}$, $^{107,108}\text{Tc}$, $^{108,109,110,111}\text{Ru}$, ^{111}Rh ; measured fission fragment masses. REPT ANL-05/61,P22,Wang
- 2006WU01 NUCLEAR REACTIONS $^{238}\text{U}(\alpha, \text{F})^{109}\text{Ru} / ^{110}\text{Ru} / ^{111}\text{Ru} / ^{112}\text{Ru}$, E=30 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (fragment) γ -coin. $^{109,110,111,112}\text{Ru}$ deduced high-spin levels, J, π , configurations, B(M1) / B(E2). Gammasphere, Chico arrays, cranked mean-field calculations. JOUR PRVCA 73 034312
- ^{111}Rh 2005WAZR ATOMIC MASSES $^{106,107}\text{Mo}$, $^{107,108}\text{Tc}$, $^{108,109,110,111}\text{Ru}$, ^{111}Rh ; measured fission fragment masses. REPT ANL-05/61,P22,Wang
- ^{111}Pd 2006FIZZ NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(\text{n}, \gamma)$, E=thermal; measured $E\gamma$, $I\gamma$, capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P389,Firestone
- ^{111}Ag 2006MA29 NUCLEAR REACTIONS $\text{Cd}(\text{n}, \text{X})^{115}\text{Cd} / ^{111}\text{In} / ^{105}\text{Ag} / ^{106m}\text{Ag} / ^{110m}\text{Ag} / ^{111}\text{Ag}$, E=spectrum; $\text{Cd}(\text{p}, \text{X})^{111}\text{In}$, E=spectrum; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823

A=111 (continued)

- ¹¹¹In 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E ≈ 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E ≈ 3-66 MeV; measured production σ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006MA29 NUCLEAR REACTIONS Cd(n, X)¹¹⁵Cd / ¹¹¹In / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag, E=spectrum; Cd(p, X)¹¹¹In, E=spectrum; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823

A=112

- ¹¹²Ru 2006WU01 NUCLEAR REACTIONS ²³⁸U(α, F)¹⁰⁹Ru / ¹¹⁰Ru / ¹¹¹Ru / ¹¹²Ru, E=30 MeV; measured Eγ, Iγ, γγ-, (fragment)γ-coin. ^{109,110,111,112}Ru deduced high-spin levels, J, π, configurations, B(M1) / B(E2). Gammasphere, Chico arrays, cranked mean-field calculations. JOUR PRVCA 73 034312
- ¹¹²Ag 2006TU05 NUCLEAR REACTIONS ¹¹⁵In(n, p), (n, α), E ≈ 14 MeV; ^{113,115}In(n, 2n), (n, n'), E ≈ 14 MeV; measured activation σ. Comparison with previous results. JOUR ARISE 64 910
- ¹¹²In 2006TU05 NUCLEAR REACTIONS ¹¹⁵In(n, p), (n, α), E ≈ 14 MeV; ^{113,115}In(n, 2n), (n, n'), E ≈ 14 MeV; measured activation σ. Comparison with previous results. JOUR ARISE 64 910
- ¹¹²Te 2006EV01 NUCLEAR REACTIONS ⁵⁸Ni(⁵⁸Ni, 2pα), (⁵⁸Ni, 4p), E=240, 250 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin, DSA. ^{110,112}Te deduced high-spin levels, J, π, B(M1), B(E2), T_{1/2}. Gammasphere and Microball arrays. JOUR PYLBB 636 25

A=113

- ¹¹³Cd 2006ZU02 RADIOACTIVITY ¹¹³Cd(β⁻); measured Eβ, T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te(2β⁻); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β⁺EC), (2EC); ¹⁰⁶Cd(2β⁺); measured T_{1/2} lower limits. JOUR PPNPD 57 235
- ¹¹³In 2006TU05 NUCLEAR REACTIONS ¹¹⁵In(n, p), (n, α), E ≈ 14 MeV; ^{113,115}In(n, 2n), (n, n'), E ≈ 14 MeV; measured activation σ. Comparison with previous results. JOUR ARISE 64 910
- 2006ZU02 RADIOACTIVITY ¹¹³Cd(β⁻); measured Eβ, T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te(2β⁻); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β⁺EC), (2EC); ¹⁰⁶Cd(2β⁺); measured T_{1/2} lower limits. JOUR PPNPD 57 235
- ¹¹³Sn 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E ≈ 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E ≈ 3-66 MeV; measured production σ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006KR04 NUCLEAR REACTIONS ^{112,116,122,124}Sn(n, γ), E=thermal; measured Eγ, Iγ, capture σ; deduced resonance integrals. JOUR PRVCA 73 054312

A=113 (continued)

¹¹³Ba 2006HEZX NUCLEAR REACTIONS ⁵⁸Ni(⁵⁸Ni, 3n), E=250, 260 MeV; ⁵⁴Fe(⁵⁸Ni, 3n), E=240 MeV; measured σ upper limits. Fragment separator. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P355,Hecht

A=114

¹¹⁴Tc 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

¹¹⁴Ru 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

¹¹⁴Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

¹¹⁴Cd 2005SU28 NUCLEAR REACTIONS ¹¹³Cd, ¹²³Te(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ¹¹⁴Cd, ¹²⁴Te deduced two-quantum cascade intensities, level densities, radiative strength functions. JOUR BRSP 69 727

2006BAZX NUCLEAR REACTIONS ¹¹⁴Cd(n, n' γ), E=1.9-3.8 MeV; measured E γ , γ -ray excitation functions. ¹¹⁴Cd levels deduced possible multiphonon configurations. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P559

¹¹⁴In 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E \approx 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180

2006TU05 NUCLEAR REACTIONS ¹¹⁵In(n, p), (n, α), E \approx 14 MeV; ^{113,115}In(n, 2n), (n, n'), E \approx 14 MeV; measured activation σ . Comparison with previous results. JOUR ARISE 64 910

A=115

¹¹⁵Tc 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

A=115 (continued)

- ¹¹⁵Ru 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁵Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁵Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁵Cd 2006MA29 NUCLEAR REACTIONS Cd(n, X)¹¹⁵Cd / ¹¹¹In / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag, E=spectrum; Cd(p, X)¹¹¹In, E=spectrum; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823
- 2006TU05 NUCLEAR REACTIONS ¹¹⁵In(n, p), (n, α), E \approx 14 MeV; ^{113,115}In(n, 2n), (n, n'), E \approx 14 MeV; measured activation σ . Comparison with previous results. JOUR ARISE 64 910
- ¹¹⁵In 2006TU05 NUCLEAR REACTIONS ¹¹⁵In(n, p), (n, α), E \approx 14 MeV; ^{113,115}In(n, 2n), (n, n'), E \approx 14 MeV; measured activation σ . Comparison with previous results. JOUR ARISE 64 910
- ¹¹⁵Sb 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E \approx 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180

A=116

- ¹¹⁶Ru 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁶Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁶Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

A=116 (continued)

- ¹¹⁶Cd 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te($2\beta^-$); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd($2\beta^+$); measured T_{1/2} lower limits. JOUR PPNPD 57 235
- ¹¹⁶In 2006KR04 RADIOACTIVITY ^{123m,125m}Sn, ^{116m}In(IT) [from Sn, In(n, γ)]; measured E γ , I γ . ^{123,125}Sn, ¹¹⁶In deduced levels, transitions. JOUR PRVCA 73 054312
- ¹¹⁶Sn 2006ZH10 NUCLEAR REACTIONS ^{116,118,122,124}Sn(p, n), E=7-11 MeV; measured En, $\sigma(E, \theta)$, excitation functions. ^{116,118,122,124}Sn deduced level densities. Comparison with model predictions. JOUR PANUE 69 363
- 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te($2\beta^-$); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd($2\beta^+$); measured T_{1/2} lower limits. JOUR PPNPD 57 235
- ¹¹⁶Sb 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E \approx 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006ZH10 NUCLEAR REACTIONS ^{116,118,122,124}Sn(p, n), E=7-11 MeV; measured En, $\sigma(E, \theta)$, excitation functions. ^{116,118,122,124}Sn deduced level densities. Comparison with model predictions. JOUR PANUE 69 363
- ¹¹⁶Te 2006PAZZ NUCLEAR REACTIONS ¹⁰⁶Cd, ¹¹²Sn(α, γ), E=8-12 MeV; measured E γ , I γ ; deduced astrophysical S-factors. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P585,Palumbo

A=117

- ¹¹⁷Ru 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁷Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁷Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁷In 2005BE78 NUCLEAR REACTIONS ^{121,123}Sb(γ, n), ¹¹⁸Sn(γ, p), E=15, 16 MeV bremsstrahlung; measured E γ , I γ ; deduced isomeric ratios. JOUR BRSPE 69 750

A=117 (continued)

- ¹¹⁷Sn 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E ≈ 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E ≈ 3-66 MeV; measured production σ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006KR04 NUCLEAR REACTIONS ^{112,116,122,124}Sn(n, γ), E=thermal; measured Eγ, Iγ, capture σ; deduced resonance integrals. JOUR PRVCA 73 054312
- ¹¹⁷Sb 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E ≈ 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E ≈ 3-66 MeV; measured production σ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180

A=118

- ¹¹⁸Ru 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β⁻) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β⁻n); measured β-delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁸Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β⁻) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β⁻n); measured β-delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- 2006WA10 RADIOACTIVITY ¹¹⁸Rh(β⁻) [from U(p, F)]; measured Eγ, Iγ, βγ-coin. ¹¹⁸Pd deduced levels, J, π. Level systematics in neighboring isotopes discussed. JOUR CPLEE 23 808
- ¹¹⁸Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β⁻) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β⁻n); measured β-delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- 2006WA10 RADIOACTIVITY ¹¹⁸Rh(β⁻) [from U(p, F)]; measured Eγ, Iγ, βγ-coin. ¹¹⁸Pd deduced levels, J, π. Level systematics in neighboring isotopes discussed. JOUR CPLEE 23 808
- ¹¹⁸Sn 2006NIZZ NUCLEAR REACTIONS ^{117,119}Sn(n, γ), E=10-100, 570 keV; measured Eγ, Iγ, capture σ. Comparison with previous results. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P579,Nishiyama
- 2006ZH10 NUCLEAR REACTIONS ^{116,118,122,124}Sn(p, n), E=7-11 MeV; measured En, σ(E, θ), excitation functions. ^{116,118,122,124}Sn deduced level densities. Comparison with model predictions. JOUR PANUE 69 363

A=118 (continued)

- ¹¹⁸Sb 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E ≈ 3-66 MeV; Sn(p, xny)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E ≈ 3-66 MeV; measured production σ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006ZH10 NUCLEAR REACTIONS ^{116,118,122,124}Sn(p, n), E=7-11 MeV; measured En, σ(E, θ), excitation functions. ^{116,118,122,124}Sn deduced level densities. Comparison with model predictions. JOUR PANUE 69 363

A=119

- ¹¹⁹Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁹Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁹Ag 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹¹⁹Sn 2006MA35 NUCLEAR MOMENTS ¹¹⁹Sn; measured Mossbauer spectra; deduced hyperfine parameters in LiMn₆Sn₆. ¹¹⁹Sn deduced excited state quadrupole moment. JOUR ZBBNE 51 173

A=120

- ¹²⁰Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²⁰Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^- n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

A=120 (continued)

- ¹²⁰Ag 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²⁰Sn 2006NIZZ NUCLEAR REACTIONS ^{117,119}Sn(n, γ), E=10-100, 570 keV; measured $E\gamma$, $I\gamma$, capture σ . Comparison with previous results. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P579,Nishiyama
- 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te($2\beta^-$); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+EC), ($2EC$); ¹⁰⁶Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
- ¹²⁰Sb 2005BE78 NUCLEAR REACTIONS ^{121,123}Sb(γ , n), ¹¹⁸Sn(γ , p), E=15, 16 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced isomeric ratios. JOUR BRSPE 69 750
- 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E \approx 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- ¹²⁰Te 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te($2\beta^-$); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+EC), ($2EC$); ¹⁰⁶Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235

A=121

- ¹²¹Rh 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²¹Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²¹Ag 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²¹Cd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

A=122

- ¹²²Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²²Ag 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²²Cd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²²Sn 2006ZH10 NUCLEAR REACTIONS ^{116,118,122,124}Sn(p, n), E=7-11 MeV; measured En, $\sigma(E, \theta)$, excitation functions. ^{116,118,122,124}Sn deduced level densities. Comparison with model predictions. JOUR PANUE 69 363
- ¹²²Sb 2005BE78 NUCLEAR REACTIONS ^{121,123}Sb(γ, n), ¹¹⁸Sn(γ, p), E=15, 16 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced isomeric ratios. JOUR BRSPE 69 750
- 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E \approx 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006ZH10 NUCLEAR REACTIONS ^{116,118,122,124}Sn(p, n), E=7-11 MeV; measured En, $\sigma(E, \theta)$, excitation functions. ^{116,118,122,124}Sn deduced level densities. Comparison with model predictions. JOUR PANUE 69 363

A=123

- ¹²³Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²³Ag 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801

A=123 (continued)

- ¹²³Cd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²³Sn 2006KR04 NUCLEAR REACTIONS ^{112,116,122,124}Sn(n, γ), E=thermal; measured $E\gamma$, $I\gamma$, capture σ ; deduced resonance integrals. JOUR PRVCA 73 054312
- 2006KR04 RADIOACTIVITY ^{123m,125m}Sn, ^{116m}In(IT) [from Sn, In(n, γ)]; measured $E\gamma$, $I\gamma$. ^{123,125}Sn, ¹¹⁶In deduced levels, transitions. JOUR PRVCA 73 054312

A=124

- ¹²⁴Pd 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²⁴Ag 2004KAZR RADIOACTIVITY ^{124,126,128,130}Ag(β^-); measured β -delayed $E\gamma$, $I\gamma$. ^{124,126,128,130}Cd deduced levels, J, π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²⁴Cd 2004KAZR RADIOACTIVITY ^{124,126,128,130}Ag(β^-); measured β -delayed $E\gamma$, $I\gamma$. ^{124,126,128,130}Cd deduced levels, J, π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- 2006M007 RADIOACTIVITY ^{114,115}Tc, ^{114,115,116,117,118}Ru, ^{116,117,118,119,120,121}Rh, ^{119,120,121,122,123,124}Pd, ^{121,122,123,124}Ag(β^-) [from Be(¹³⁶Xe, X)]; measured $T_{1/2}$. ^{116,117,118,119,120}Rh, ^{121,122,123}Pd, ^{122,123,124}Ag(β^-n); measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ¹²⁴Sn 2006ZH10 NUCLEAR REACTIONS ^{116,118,122,124}Sn(p, n), E=7-11 MeV; measured E_n , $\sigma(E, \theta)$, excitation functions. ^{116,118,122,124}Sn deduced level densities. Comparison with model predictions. JOUR PANUE 69 363
- ¹²⁴Sb 2006HE13 NUCLEAR REACTIONS Sn(p, xn)¹²⁴Sb / ¹²²Sb / ¹²⁰Sb / ^{118m}Sb / ¹¹⁷Sb / ^{116m}Sb / ¹¹⁵Sb, E \approx 3-66 MeV; Sn(p, xnyp)^{117m}Sn / ¹¹³Sn / ^{114m}In / ¹¹¹In / ¹¹⁰In / ¹⁰⁹In, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006PA16 RADIOACTIVITY ¹²⁴Sb(β^-) [from ¹²³Sb(n, γ)]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ¹²⁴Te deduced levels, J, π . JOUR ARISE 64 693

A=124 (continued)

- 2006ZH10 NUCLEAR REACTIONS $^{116,118,122,124}\text{Sn}(p, n)$, $E=7-11$ MeV; measured E_n , $\sigma(E, \theta)$, excitation functions. $^{116,118,122,124}\text{Sn}$ deduced level densities. Comparison with model predictions. JOUR PANUE 69 363
- ^{124}Te 2005SU28 NUCLEAR REACTIONS ^{113}Cd , $^{123}\text{Te}(n, \gamma)$, $E=\text{thermal}$; measured E_γ , I_γ , $\gamma\gamma$ -coin. ^{114}Cd , ^{124}Te deduced two-quantum cascade intensities, level densities, radiative strength functions. JOUR BRSPPE 69 727
- 2006PA16 RADIOACTIVITY $^{124}\text{Sb}(\beta^-)$ [from $^{123}\text{Sb}(n, \gamma)$]; measured E_γ , I_γ , $\gamma\gamma$ -coin. ^{124}Te deduced levels, J , π . JOUR ARISE 64 693
- ^{124}Xe 2006CH26 NUCLEAR REACTIONS $^{93}\text{Nb}(^{124}\text{Xe}, ^{124}\text{Xe}')$, $E=55$ MeV / nucleon; measured Doppler-shifted E_γ , I_γ following projectile Coulomb excitation. ^{124}Xe deduced excited state $T_{1/2}$. Time-of-flight technique, recoil-distance technique. JOUR NIMAE 562 230
- 2006V004 NUCLEAR REACTIONS $^{124,126,128,129,130,131,132,134,136}\text{Xe}(\gamma, \gamma')$, $E=4.1$ MeV bremsstrahlung; measured E_γ , I_γ . $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J , π , branching ratios, $B(E1)$, $B(M1)$. JOUR PRVCA 73 054315

A=125

- ^{125}Sn 2006KR04 NUCLEAR REACTIONS $^{112,116,122,124}\text{Sn}(n, \gamma)$, $E=\text{thermal}$; measured E_γ , I_γ , capture σ ; deduced resonance integrals. JOUR PRVCA 73 054312
- 2006KR04 RADIOACTIVITY $^{123m,125m}\text{Sn}$, $^{116m}\text{In}(IT)$ [from Sn , $\text{In}(n, \gamma)$]; measured E_γ , I_γ . $^{123,125}\text{Sn}$, ^{116}In deduced levels, transitions. JOUR PRVCA 73 054312
- ^{125}Cs 2006SI16 NUCLEAR REACTIONS $^{110}\text{Pd}(^{19}\text{F}, 4n)$, $E=75$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin. ^{125}Cs deduced high-spin levels, J , π , configurations, $B(M1)$ / $B(E2)$. Total Routhian surface and principal / tilted axis cranking model calculations. JOUR ZAANE 27 321

A=126

- ^{126}Ag 2004KAZR RADIOACTIVITY $^{124,126,128,130}\text{Ag}(\beta^-)$; measured β -delayed E_γ , I_γ . $^{124,126,128,130}\text{Cd}$ deduced levels, J , π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- ^{126}Cd 2004KAZR RADIOACTIVITY $^{124,126,128,130}\text{Ag}(\beta^-)$; measured β -delayed E_γ , I_γ . $^{124,126,128,130}\text{Cd}$ deduced levels, J , π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- ^{126}Xe 2006LE22 NUCLEAR REACTIONS Pb , $\text{Bi}(p, X)^3\text{He}$ / ^4He / ^{21}Ne / ^{22}Ne / ^{81}Kr / ^{82}Kr / ^{85}Kr / ^{126}Xe / ^{132}Xe , $E \approx 10-2600$ MeV; measured production σ . JOUR NIMAE 562 760
- 2006V004 NUCLEAR REACTIONS $^{124,126,128,129,130,131,132,134,136}\text{Xe}(\gamma, \gamma')$, $E=4.1$ MeV bremsstrahlung; measured E_γ , I_γ . $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J , π , branching ratios, $B(E1)$, $B(M1)$. JOUR PRVCA 73 054315

A=127

- ^{127}Te 2006ZH14 NUCLEAR REACTIONS $^{128}\text{Te}(n, 2n)^{127m}\text{Te}$, E=14.1, 14.6 MeV; measured σ . Activation technique, comparison with model predictions and previous results. JOUR ARISE 64 815
- ^{127}I 2006MUZY NUCLEAR REACTIONS $^{127}\text{I}(n, n'\gamma)$, E=1.2-3 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, excitation function. ^{127}I deduced levels. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P583,Mukhopahyay
- 2006WA14 NUCLEAR MOMENTS ^{27}Al , ^{127}I ; measured hfs; deduced quadrupole coupling constants. JOUR CHPLB 423 327
- ^{127}Xe 2006ST07 NUCLEAR REACTIONS $^{197}\text{Au}(^{20}\text{Ne}, X)^{37}\text{Ar} / ^{127}\text{Xe}$, E=8 GeV; $^{197}\text{Au}(^{12}\text{C}, X)^{37}\text{Ar} / ^{127}\text{Xe}$, E=25 GeV; $^{197}\text{Au}(^{28}\text{Si}, X)^{37}\text{Ar} / ^{127}\text{Xe}$, E=381 GeV; $^{197}\text{Au}(p, X)^{24}\text{Na} / ^{28}\text{Mg} / ^{48}\text{Sc} / ^{48}\text{V} / ^{58}\text{Co} / ^{59}\text{Fe} / ^{65}\text{Zn} / ^{74}\text{As} / ^{90}\text{Nb} / ^{100}\text{Pd} / ^{100}\text{Rh} / ^{131}\text{Ba} / ^{149}\text{Gd}$, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=128

- ^{128}Ag 2004KAZR RADIOACTIVITY $^{124,126,128,130}\text{Ag}(\beta^-)$; measured β -delayed $E\gamma$, $I\gamma$. $^{124,126,128,130}\text{Cd}$ deduced levels, J, π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- ^{128}Cd 2004KAZR RADIOACTIVITY $^{124,126,128,130}\text{Ag}(\beta^-)$; measured β -delayed $E\gamma$, $I\gamma$. $^{124,126,128,130}\text{Cd}$ deduced levels, J, π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- ^{128}Te 2006ZU02 RADIOACTIVITY $^{113}\text{Cd}(\beta^-)$; measured $E\beta$, $T_{1/2}$. ^{70}Zn , ^{116}Cd , $^{128,130}\text{Te}(2\beta^-)$; ^{64}Zn , ^{106}Cd , $^{120}\text{Te}(\beta^+\text{EC})$, (2EC); $^{106}\text{Cd}(2\beta^+)$; measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
- ^{128}Xe 2006V004 NUCLEAR REACTIONS $^{124,126,128,129,130,131,132,134,136}\text{Xe}(\gamma, \gamma')$, E=4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J, π , branching ratios, B(E1), B(M1). JOUR PRVCA 73 054315
- 2006ZU02 RADIOACTIVITY $^{113}\text{Cd}(\beta^-)$; measured $E\beta$, $T_{1/2}$. ^{70}Zn , ^{116}Cd , $^{128,130}\text{Te}(2\beta^-)$; ^{64}Zn , ^{106}Cd , $^{120}\text{Te}(\beta^+\text{EC})$, (2EC); $^{106}\text{Cd}(2\beta^+)$; measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235

A=129

- ^{129}Sb 2005BE77 NUCLEAR REACTIONS $^{238}\text{U}(\gamma, F)^{84}\text{Br} / ^{129}\text{Sb} / ^{130}\text{Sb} / ^{131}\text{Te} / ^{132}\text{Sb} / ^{133}\text{Te} / ^{134}\text{I} / ^{135}\text{Xe}$, E=16 MeV; $^{237}\text{Np}(\gamma, F)^{134}\text{I} / ^{135}\text{Xe}$, E=16 MeV; measured $E\gamma$, $I\gamma$; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPPE 69 745
- ^{129}Xe 2006V004 NUCLEAR REACTIONS $^{124,126,128,129,130,131,132,134,136}\text{Xe}(\gamma, \gamma')$, E=4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J, π , branching ratios, B(E1), B(M1). JOUR PRVCA 73 054315

A=130

- ¹³⁰Ag 2004KAZR RADIOACTIVITY ^{124,126,128,130}Ag(β^-); measured β -delayed $E\gamma$, $I\gamma$. ^{124,126,128,130}Cd deduced levels, J, π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- ¹³⁰Cd 2004KAZR RADIOACTIVITY ^{124,126,128,130}Ag(β^-); measured β -delayed $E\gamma$, $I\gamma$. ^{124,126,128,130}Cd deduced levels, J, π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- ¹³⁰Sb 2005BE77 NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹²⁹Sb / ¹³⁰Sb / ¹³¹Te / ¹³²Sb / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV; measured $E\gamma$, $I\gamma$; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPPE 69 745
- ¹³⁰Te 2006AR06 RADIOACTIVITY ¹³⁰Te($2\beta^-$); measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limit; deduced neutrino mass limits. JOUR PPNPD 57 203
- 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te($2\beta^-$); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
- ¹³⁰I 2006SI18 NUCLEAR REACTIONS ^{60,61}Ni, ⁹³Nb, ^{121,122}Sb, ¹³⁰Te(p, n), E \approx 4-20 MeV; ^{63,65}Cu, ⁹³Nb, ^{121,123}Sb, ¹⁹⁷Au(α , n), E \approx 5-45 MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR NIMAE 562 717
- ¹³⁰Xe 2006AR06 RADIOACTIVITY ¹³⁰Te($2\beta^-$); measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limit; deduced neutrino mass limits. JOUR PPNPD 57 203
- 2006V004 NUCLEAR REACTIONS ^{124,126,128,129,130,131,132,134,136}Xe(γ , γ'), E=4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. ^{124,126,128,129,130,131,132,134,136}Xe deduced levels, J, π , branching ratios, B(E1), B(M1). JOUR PRVCA 73 054315
- 2006ZU02 RADIOACTIVITY ¹¹³Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰Zn, ¹¹⁶Cd, ^{128,130}Te($2\beta^-$); ⁶⁴Zn, ¹⁰⁶Cd, ¹²⁰Te(β^+ EC), (2EC); ¹⁰⁶Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
- ¹³⁰Ba 2005BI28 NUCLEAR MOMENTS ^{130m}Ba, ^{176m}Yb; measured charge radii. Hf, Lu, Yb; analyzed radii. Mass separator, laser spectroscopy. JOUR HYIND 162 63

A=131

- ¹³¹Te 2005BE77 NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹²⁹Sb / ¹³⁰Sb / ¹³¹Te / ¹³²Sb / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV; measured $E\gamma$, $I\gamma$; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPPE 69 745
- ¹³¹Xe 2006V004 NUCLEAR REACTIONS ^{124,126,128,129,130,131,132,134,136}Xe(γ , γ'), E=4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. ^{124,126,128,129,130,131,132,134,136}Xe deduced levels, J, π , branching ratios, B(E1), B(M1). JOUR PRVCA 73 054315

A=131 (continued)

- ¹³¹Ba 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602
- ¹³¹La 2006GR10 NUCLEAR REACTIONS ¹²²Sn(¹⁴N, 5n), E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ¹³¹La deduced levels T_{1/2}, B(E2), configurations. Comparison with Core-Quasi-Particle Coupling and Self-Consistent Total Routhian Surface models. JOUR ZAANE 27 325

A=132

- ¹³²Sb 2005BE77 NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹²⁹Sb / ¹³⁰Sb / ¹³¹Te / ¹³²Sb / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV; measured E γ , I γ ; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPE 69 745
- ¹³²Xe 2006LE22 NUCLEAR REACTIONS Pb, Bi(p, X)³He / ⁴He / ²¹Ne / ²²Ne / ⁸¹Kr / ⁸²Kr / ⁸⁵Kr / ¹²⁶Xe / ¹³²Xe, E \approx 10-2600 MeV; measured production σ . JOUR NIMAE 562 760
- 2006V004 NUCLEAR REACTIONS ^{124,126,128,129,130,131,132,134,136}Xe(γ , γ'), E=4.1 MeV bremsstrahlung; measured E γ , I γ . ^{124,126,128,129,130,131,132,134,136}Xe deduced levels, J, π , branching ratios, B(E1), B(M1). JOUR PRVCA 73 054315

A=133

- ¹³³Te 2005BE77 NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹²⁹Sb / ¹³⁰Sb / ¹³¹Te / ¹³²Sb / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV; measured E γ , I γ ; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPE 69 745
- ¹³³Cs 2006DA12 NUCLEAR MOMENTS ¹³³Cs; measured hfs; deduced magnetic dipole coupling constant. JOUR JPAMA 39 2013

A=134

- ¹³⁴Te 2005GA61 RADIOACTIVITY ¹³⁶Sb(β^- 2n) [from ²³⁸U(γ , F)]; measured β -delayed En, nn-coin; deduced branching ratio. JOUR BRSPE 69 714
- ¹³⁴I 2005BE77 NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹²⁹Sb / ¹³⁰Sb / ¹³¹Te / ¹³²Sb / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV; measured E γ , I γ ; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPE 69 745

A=134 (continued)

^{134}Xe 2006V004 NUCLEAR REACTIONS $^{124,126,128,129,130,131,132,134,136}\text{Xe}(\gamma, \gamma')$,
E=4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$.
 $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J, π , branching ratios,
B(E1), B(M1). JOUR PRVCA 73 054315

A=135

^{135}Xe 2005BE77 NUCLEAR REACTIONS $^{238}\text{U}(\gamma, \text{F})^{84}\text{Br} / ^{129}\text{Sb} / ^{130}\text{Sb} / ^{131}\text{Te} /$
 $^{132}\text{Sb} / ^{133}\text{Te} / ^{134}\text{I} / ^{135}\text{Xe}$, E=16 MeV; $^{237}\text{Np}(\gamma, \text{F})^{134}\text{I} / ^{135}\text{Xe}$,
E=16 MeV; measured $E\gamma$, $I\gamma$; deduced fission fragments mean angular
momenta, isomeric ratios. JOUR BRSPE 69 745

^{135}Ba 2006FE06 RADIOACTIVITY $^{135}\text{La}(\text{EC})$ [from $^{136}\text{Ba}(\text{p}, 2\text{n})$]; measured $E\gamma$, $I\gamma$,
 $\gamma\gamma$ -coin. ^{135}Ba deduced levels, J, π , B(E2), symmetry features.
Comparison with interacting boson-fermion approximation and shell
model predictions. JOUR PRVCA 73 051301

^{135}La 2006FE06 RADIOACTIVITY $^{135}\text{La}(\text{EC})$ [from $^{136}\text{Ba}(\text{p}, 2\text{n})$]; measured $E\gamma$, $I\gamma$,
 $\gamma\gamma$ -coin. ^{135}Ba deduced levels, J, π , B(E2), symmetry features.
Comparison with interacting boson-fermion approximation and shell
model predictions. JOUR PRVCA 73 051301

A=136

^{136}Sb 2005GA61 RADIOACTIVITY $^{136}\text{Sb}(\beta^- 2\text{n})$ [from $^{238}\text{U}(\gamma, \text{F})$]; measured
 β -delayed E_n , nn-coin; deduced branching ratio. JOUR BRSPE 69 714

^{136}I 2006UR02 RADIOACTIVITY $^{248}\text{Cm}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{136}I
deduced levels, J, π , ICC, configurations. Eurogam2 array. JOUR
ZAANE 27 257

^{136}Xe 2006V004 NUCLEAR REACTIONS $^{124,126,128,129,130,131,132,134,136}\text{Xe}(\gamma, \gamma')$,
E=4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$.
 $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J, π , branching ratios,
B(E1), B(M1). JOUR PRVCA 73 054315

^{136}Cs 2006SA18 NUCLEAR REACTIONS $^{137}\text{Cs}(\gamma, \text{n})$, E \approx 25 MeV bremsstrahlung;
measured transmutation yield. Activation technique. Electrons
produced using high-intensity laser. JOUR CPLEE 23 1434

A=137

^{137}Ba 2006ANZZ NUCLEAR REACTIONS ^{138}Ba , ^{140}Ce , $^{142}\text{Nd}(\gamma, \text{n})$, E=15 MeV;
measured prompt and delayed $E\gamma$, $I\gamma$. ^{137}Ba , ^{139}Ce , ^{141}Nd deduced
levels, J, π , isomer population mechanism. CONF Notre
Dame(Capture Gamma-Ray Spectroscopy) Proc,P363,Angell

^{137}La 2006LI24 NUCLEAR REACTIONS $^{130}\text{Te}(^{11}\text{B}, 4\text{n})$, E=50 MeV; measured $E\gamma$,
 $I\gamma$, $\gamma\gamma$ -coin. ^{137}La deduced high-spin levels, J, π , configurations, B(M1)
/ B(E2). Cranked shell model analysis. JOUR ZAANE 28 1

A=138

- ¹³⁸Cs 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ¹³⁸Ba 2006TOZY NUCLEAR REACTIONS ¹³⁸Ba(polarized γ , γ'), E=4-8.5 MeV; measured E γ , I γ , asymmetry. ¹³⁸Ba deduced levels, J, π , electric dipole strength distribution. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P350,Tonchev
- ¹³⁸Ce 2006PIZZ NUCLEAR REACTIONS C(¹³⁸Ce, ¹³⁸Ce'), E=400, 480 MeV; measured E γ , I γ following projectile Coulomb excitation. ¹³⁸Ce deduced levels, J, π , B(M1), B(E2), B(E3), configurations, mixed-symmetry state. Gammasphere array. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P11,Pietralla
- 2006RA08 NUCLEAR REACTIONS ¹²C(¹³⁸Ce, ¹³⁸Ce'), E=480 MeV; measured E γ , I γ , angular distributions following projectile Coulomb excitation. ¹³⁸Ce deduced levels, J, π , B(M1), B(E2), B(E3), δ , mixed-symmetry state. Gammasphere array. JOUR PRLTA 96 122501

A=139

- ¹³⁹Cs 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ¹³⁹Ce 2006ANZZ NUCLEAR REACTIONS ¹³⁸Ba, ¹⁴⁰Ce, ¹⁴²Nd(γ , n), E=15 MeV; measured prompt and delayed E γ , I γ . ¹³⁷Ba, ¹³⁹Ce, ¹⁴¹Nd deduced levels, J, π , isomer population mechanism. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P363,Angell
- 2006BU04 NUCLEAR REACTIONS ¹³⁹La(p, n), E=5.0, 6.0 MeV; measured E γ , I γ , neutron spectra, $\gamma\gamma$ -, γ n-coin, DSA. ¹³⁰Te(¹²C, 3n), E=50.5 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹³⁹Ce deduced levels, J, π , T_{1/2}, B(M1), B(E2), configurations. GASP array, comparison with shell model predictions. JOUR ZAANE 27 301
- ¹³⁹Eu 2006XU03 RADIOACTIVITY ¹⁴⁰Tb, ¹⁴¹Dy(β^+ p); [from ¹⁰⁶Cd(⁴⁰Ca, xnyp)]; measured β -delayed Ep, Ip, E γ , I γ , (particle) γ -coin. ¹⁴⁰Tb, ¹⁴¹Dy deduced T_{1/2}, decay branching ratios, J, π , deformation parameters, configurations. JOUR ZAANE 28 37

A=140

- ¹⁴⁰Cs 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ¹⁴⁰La 2006TEZZ NUCLEAR REACTIONS ¹³⁹La(n, γ), E \approx 0-9 keV; measured capture σ ; deduced resonance parameters. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P283,Terlizzi

A=140 (continued)

- ¹⁴⁰Gd 2006XU03 RADIOACTIVITY ¹⁴⁰Tb, ¹⁴¹Dy(β^+ p); [from ¹⁰⁶Cd(⁴⁰Ca, xnyp)]; measured β -delayed Ep, Ip, E γ , I γ , (particle) γ -coin. ¹⁴⁰Tb, ¹⁴¹Dy deduced T_{1/2}, decay branching ratios, J, π , deformation parameters, configurations. JOUR ZAANE 28 37
- ¹⁴⁰Tb 2006XU03 RADIOACTIVITY ¹⁴⁰Tb, ¹⁴¹Dy(β^+ p); [from ¹⁰⁶Cd(⁴⁰Ca, xnyp)]; measured β -delayed Ep, Ip, E γ , I γ , (particle) γ -coin. ¹⁴⁰Tb, ¹⁴¹Dy deduced T_{1/2}, decay branching ratios, J, π , deformation parameters, configurations. JOUR ZAANE 28 37

A=141

- ¹⁴¹Cs 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ¹⁴¹Nd 2006ANZZ NUCLEAR REACTIONS ¹³⁸Ba, ¹⁴⁰Ce, ¹⁴²Nd(γ , n), E=15 MeV; measured prompt and delayed E γ , I γ . ¹³⁷Ba, ¹³⁹Ce, ¹⁴¹Nd deduced levels, J, π , isomer population mechanism. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P363,Angell
- ¹⁴¹Dy 2006XU03 RADIOACTIVITY ¹⁴⁰Tb, ¹⁴¹Dy(β^+ p); [from ¹⁰⁶Cd(⁴⁰Ca, xnyp)]; measured β -delayed Ep, Ip, E γ , I γ , (particle) γ -coin. ¹⁴⁰Tb, ¹⁴¹Dy deduced T_{1/2}, decay branching ratios, J, π , deformation parameters, configurations. JOUR ZAANE 28 37

A=142

- ¹⁴²Cs 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ¹⁴²Pr 2006Y003 NUCLEAR REACTIONS ¹⁴¹Pr(n, γ), E \approx 0-140 keV; measured E γ , I γ , capture σ ; deduced resonance integral. Comparison with previous results. JOUR KPSJA 48 841

A=143

- ¹⁴³Cs 2006H005 NUCLEAR REACTIONS ²³⁸U(n, F)⁹⁰Rb / ⁹¹Rb / ⁹²Rb / ⁹³Rb / ⁹⁴Rb / ⁹⁵Rb / ⁹⁶Rb / ⁹⁷Rb / ⁹⁸Rb / ⁹⁹Rb / ¹⁰⁰Rb / ¹³⁸Cs / ¹³⁹Cs / ¹⁴⁰Cs / ¹⁴¹Cs / ¹⁴²Cs / ¹⁴³Cs / ¹⁴⁴Cs / ¹⁴⁵Cs / ¹⁴⁶Cs / ¹⁴⁷Cs / ¹⁴⁸Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
- ¹⁴³Sm 2006RA10 NUCLEAR REACTIONS ¹³⁰Te(²⁰Ne, 7n), E=137 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁴³Sm deduced high-spin levels, J, π . Comparison with model predictions. JOUR PRVCA 73 044305

A=144

^{144}Cs 2006H005 NUCLEAR REACTIONS $^{238}\text{U}(\text{n}, \text{F})^{90}\text{Rb} / ^{91}\text{Rb} / ^{92}\text{Rb} / ^{93}\text{Rb} / ^{94}\text{Rb} / ^{95}\text{Rb} / ^{96}\text{Rb} / ^{97}\text{Rb} / ^{98}\text{Rb} / ^{99}\text{Rb} / ^{100}\text{Rb} / ^{138}\text{Cs} / ^{139}\text{Cs} / ^{140}\text{Cs} / ^{141}\text{Cs} / ^{142}\text{Cs} / ^{143}\text{Cs} / ^{144}\text{Cs} / ^{145}\text{Cs} / ^{146}\text{Cs} / ^{147}\text{Cs} / ^{148}\text{Cs}$, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=145

^{145}Cs 2006H005 NUCLEAR REACTIONS $^{238}\text{U}(\text{n}, \text{F})^{90}\text{Rb} / ^{91}\text{Rb} / ^{92}\text{Rb} / ^{93}\text{Rb} / ^{94}\text{Rb} / ^{95}\text{Rb} / ^{96}\text{Rb} / ^{97}\text{Rb} / ^{98}\text{Rb} / ^{99}\text{Rb} / ^{100}\text{Rb} / ^{138}\text{Cs} / ^{139}\text{Cs} / ^{140}\text{Cs} / ^{141}\text{Cs} / ^{142}\text{Cs} / ^{143}\text{Cs} / ^{144}\text{Cs} / ^{145}\text{Cs} / ^{146}\text{Cs} / ^{147}\text{Cs} / ^{148}\text{Cs}$, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=146

^{146}Cs 2006H005 NUCLEAR REACTIONS $^{238}\text{U}(\text{n}, \text{F})^{90}\text{Rb} / ^{91}\text{Rb} / ^{92}\text{Rb} / ^{93}\text{Rb} / ^{94}\text{Rb} / ^{95}\text{Rb} / ^{96}\text{Rb} / ^{97}\text{Rb} / ^{98}\text{Rb} / ^{99}\text{Rb} / ^{100}\text{Rb} / ^{138}\text{Cs} / ^{139}\text{Cs} / ^{140}\text{Cs} / ^{141}\text{Cs} / ^{142}\text{Cs} / ^{143}\text{Cs} / ^{144}\text{Cs} / ^{145}\text{Cs} / ^{146}\text{Cs} / ^{147}\text{Cs} / ^{148}\text{Cs}$, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=147

^{147}Cs 2006H005 NUCLEAR REACTIONS $^{238}\text{U}(\text{n}, \text{F})^{90}\text{Rb} / ^{91}\text{Rb} / ^{92}\text{Rb} / ^{93}\text{Rb} / ^{94}\text{Rb} / ^{95}\text{Rb} / ^{96}\text{Rb} / ^{97}\text{Rb} / ^{98}\text{Rb} / ^{99}\text{Rb} / ^{100}\text{Rb} / ^{138}\text{Cs} / ^{139}\text{Cs} / ^{140}\text{Cs} / ^{141}\text{Cs} / ^{142}\text{Cs} / ^{143}\text{Cs} / ^{144}\text{Cs} / ^{145}\text{Cs} / ^{146}\text{Cs} / ^{147}\text{Cs} / ^{148}\text{Cs}$, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=148

^{148}Cs 2006H005 NUCLEAR REACTIONS $^{238}\text{U}(\text{n}, \text{F})^{90}\text{Rb} / ^{91}\text{Rb} / ^{92}\text{Rb} / ^{93}\text{Rb} / ^{94}\text{Rb} / ^{95}\text{Rb} / ^{96}\text{Rb} / ^{97}\text{Rb} / ^{98}\text{Rb} / ^{99}\text{Rb} / ^{100}\text{Rb} / ^{138}\text{Cs} / ^{139}\text{Cs} / ^{140}\text{Cs} / ^{141}\text{Cs} / ^{142}\text{Cs} / ^{143}\text{Cs} / ^{144}\text{Cs} / ^{145}\text{Cs} / ^{146}\text{Cs} / ^{147}\text{Cs} / ^{148}\text{Cs}$, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

^{148}Ce 2006CH24 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{148}Ce deduced levels, J, π , rotational bands, B(E1) / B(E2), possible octupole correlations. Gammasphere array. JOUR PRVCA 73 054316

2006HW01 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, $^{97,100,104}\text{Zr}$, ^{106}Mo , ^{148}Ce deduced levels $T_{1/2}$, B(E2), quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316

A=149

- ¹⁴⁹Gd 2006ST07 NUCLEAR REACTIONS ¹⁹⁷Au(²⁰Ne, X)³⁷Ar / ¹²⁷Xe, E=8 GeV; ¹⁹⁷Au(¹²C, X)³⁷Ar / ¹²⁷Xe, E=25 GeV; ¹⁹⁷Au(²⁸Si, X)³⁷Ar / ¹²⁷Xe, E=381 GeV; ¹⁹⁷Au(p, X)²⁴Na / ²⁸Mg / ⁴⁸Sc / ⁴⁸V / ⁵⁸Co / ⁵⁹Fe / ⁶⁵Zn / ⁷⁴As / ⁹⁰Nb / ¹⁰⁰Pd / ¹⁰⁰Rh / ¹³¹Ba / ¹⁴⁹Gd, E=28 GeV; measured fragments angular distributions; deduced sideward peaking enhancements for heavy ions. Kinetic-focusing model analysis. JOUR PRVCA 73 047602

A=150

- ¹⁵⁰Sm 2006B010 NUCLEAR REACTIONS ¹⁴⁹Sm(n, γ), E=thermal; measured E γ , I γ . ¹⁵⁰Sm deduced levels, J, π , T_{1/2}, B(E2), phase transition features. Gamma-ray-induced Doppler broadening technique, GAMS4 spectrometer, comparison with IBA model predictions. JOUR PRVCA 73 034314

A=151

No references found

A=152

- ¹⁵²Sm 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E γ , I γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSPE 69 722
2006MA18 NUCLEAR REACTIONS ¹⁵¹Sm(n, γ), E \approx 0-1 MeV; measured capture σ ; deduced resonance parameters, resonance integral, Maxwellian-averaged σ . JOUR PRVCA 73 034604
- ¹⁵²Eu 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E γ , I γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSPE 69 722
2006AGZZ NUCLEAR REACTIONS ^{151,153}Eu(n, γ), E \approx 0.1-0.7 eV; measured capture E γ , I γ . ^{152,154}Eu deduced radiative strength functions, possible scissors-mode decay. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P295,Agvaanluvsan
- ¹⁵²Gd 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E γ , I γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSPE 69 722

A=153

- ¹⁵³Sm 2006AL07 NUCLEAR REACTIONS ³²S, ⁶⁴Zn, ⁸⁹Y, ⁹⁰Zr, ¹⁵³Eu(n, p), E=0-20 MeV; analyzed excitation functions. ³²S, ⁹⁰Zr, ¹⁵³Eu(n, p), E=spectrum; measured integral σ . Neutrons from 14 MeV d(Be) source. JOUR ARISE 64 717

A=154

- ¹⁵⁴Sm 2006DE19 NUCLEAR REACTIONS ¹⁵⁴Sm(n, n'γ), E=fast; measured Eγ, Iγ. ¹⁵⁴Sm deduced levels, J, π, δ. JOUR PANUE 69 555
- ¹⁵⁴Eu 2006AGZZ NUCLEAR REACTIONS ^{151,153}Eu(n, γ), E ≈ 0.1-0.7 eV; measured capture Eγ, Iγ. ^{152,154}Eu deduced radiative strength functions, possible scissors-mode decay. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P295,Agvaanluvsan

A=155

No references found

A=156

- ¹⁵⁶Gd 2006KIZZ NUCLEAR REACTIONS ^{155,156,157,158}Gd(n, γ), E=10-90 keV; measured capture σ. Comparison with previous results. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P133,Kim

A=157

- ¹⁵⁷Gd 2006KIZZ NUCLEAR REACTIONS ^{155,156,157,158}Gd(n, γ), E=10-90 keV; measured capture σ. Comparison with previous results. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P133,Kim

A=158

- ¹⁵⁸Gd 2006CH16 NUCLEAR REACTIONS ¹⁵⁵Gd, ¹⁵⁷Gd(n, γ), E=10-90 MeV; measured Eγ, Iγ, capture σ. Pulse-height weighting technique, comparison with previous results. JOUR KPSJA 48 835
- 2006KIZZ NUCLEAR REACTIONS ^{155,156,157,158}Gd(n, γ), E=10-90 keV; measured capture σ. Comparison with previous results. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P133,Kim
- 2006LEZX NUCLEAR REACTIONS ¹⁵⁸Gd(n, n'), E=1.4-3.27 MeV; measured Eγ, Iγ, γγ-coin, DSA. ¹⁵⁸Gd deduced 0⁺ states energies, T_{1/2}, B(E2). CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P233,Lesher

A=159

- ¹⁵⁹Gd 2006KIZZ NUCLEAR REACTIONS ^{155,156,157,158}Gd(n, γ), E=10-90 keV; measured capture σ. Comparison with previous results. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P133,Kim

A=160

No references found

A=161

- ¹⁶¹Lu 2006BR12 NUCLEAR REACTIONS ¹³⁹La(²⁸Si, 6n), E=175 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶¹Lu deduced high-spin levels, J, π , configurations, superdeformed bands. Euroball array. JOUR PRVCA 73 054314

A=162

- ¹⁶²Yb 2006MC02 NUCLEAR REACTIONS ¹¹⁶Cd(⁵⁰Ti, 4n), E=200 MeV; ¹²²Sn(⁴⁸Ti, 4n), E=200 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ¹⁶²Yb, ¹⁶⁶Hf deduced levels T_{1/2}, B(E2). Recoil-distance method, comparison with X(5) critical-point and IBA model predictions. JOUR PRVCA 73 034303

A=163

- ¹⁶³Dy 2006KRZZ NUCLEAR REACTIONS ¹⁶²Dy(n, γ), E=90-100 keV; measured E γ , I γ . ¹⁶³Dy deduced summed B(M1) strength, scissors resonance features. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P345,Krticka

A=164

- ¹⁶⁴Dy 2006WEZZ NUCLEAR REACTIONS ¹⁶⁴Dy(γ , γ'), E=2.9, 3.6 MeV bremsstrahlung; ¹⁶⁴Dy(polarized γ , γ'), E \approx 3000-3200 keV; measured E γ , I γ . ¹⁶⁴Dy deduced levels, transitions, scissors mode features. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P340,Werner

A=165

No references found

A=166

- ¹⁶⁶Hf 2006MC02 NUCLEAR REACTIONS ¹¹⁶Cd(⁵⁰Ti, 4n), E=200 MeV; ¹²²Sn(⁴⁸Ti, 4n), E=200 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ¹⁶²Yb, ¹⁶⁶Hf deduced levels T_{1/2}, B(E2). Recoil-distance method, comparison with X(5) critical-point and IBA model predictions. JOUR PRVCA 73 034303

A=167

No references found

A=168

No references found

A=169

- ¹⁶⁹Tm 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E_γ , I_γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSP 69 722
- ¹⁶⁹Yb 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E_γ , I_γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSP 69 722
- 2006HE14 NUCLEAR REACTIONS Yb(d, xn)¹⁷⁰Lu / ¹⁷¹Lu / ¹⁷²Lu / ¹⁷³Lu / ¹⁷⁴Lu / ¹⁷⁷Lu, $E \approx 3-20$ MeV; Yb(d, xnp)¹⁶⁹Yb / ¹⁷⁵Yb, $E \approx 3-20$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223

A=170

- ¹⁷⁰Lu 2006HE14 NUCLEAR REACTIONS Yb(d, xn)¹⁷⁰Lu / ¹⁷¹Lu / ¹⁷²Lu / ¹⁷³Lu / ¹⁷⁴Lu / ¹⁷⁷Lu, $E \approx 3-20$ MeV; Yb(d, xnp)¹⁶⁹Yb / ¹⁷⁵Yb, $E \approx 3-20$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223
- ¹⁷⁰Hf 2006NE03 NUCLEAR REACTIONS ¹²⁴Sn(⁵⁰Ti, 4n), $E=216$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin. ¹⁷⁰Hf deduced high-spin levels, J, π , triaxial superdeformed bands. Euroball array. JOUR PRVCA 73 034309

A=171

- ¹⁷¹Lu 2006HE14 NUCLEAR REACTIONS Yb(d, xn)¹⁷⁰Lu / ¹⁷¹Lu / ¹⁷²Lu / ¹⁷³Lu / ¹⁷⁴Lu / ¹⁷⁷Lu, $E \approx 3-20$ MeV; Yb(d, xnp)¹⁶⁹Yb / ¹⁷⁵Yb, $E \approx 3-20$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223
- ¹⁷¹Ta 2006ZH09 NUCLEAR REACTIONS ¹⁵⁷Gd(¹⁹F, 5n), $E=105$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin, DSA. ¹⁷¹Ta deduced high-spin levels, J, π , configurations, $T_{1/2}$, B(E2), quadrupole deformation, transition quadrupole moments. Total routhian surface calculations. JOUR ZAANE 27 137

A=172

- ¹⁷²Lu 2006HE14 NUCLEAR REACTIONS Yb(d, xn)¹⁷⁰Lu / ¹⁷¹Lu / ¹⁷²Lu / ¹⁷³Lu / ¹⁷⁴Lu / ¹⁷⁷Lu, $E \approx 3-20$ MeV; Yb(d, xnp)¹⁶⁹Yb / ¹⁷⁵Yb, $E \approx 3-20$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223

A=173

- ^{173}Lu 2006HE14 NUCLEAR REACTIONS Yb(d, xn) ^{170}Lu / ^{171}Lu / ^{172}Lu / ^{173}Lu / ^{174}Lu / ^{177}Lu , E \approx 3-20 MeV; Yb(d, xnp) ^{169}Yb / ^{175}Yb , E \approx 3-20 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223
- 2006TI06 NUCLEAR REACTIONS Pb, ^{208}Pb , ^{209}Bi (p, X) ^{203}Pb / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be , E \approx 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801
- ^{173}Pt 2005CAZV RADIOACTIVITY ^{181}Pb , $^{177}\text{Hg}(\alpha)$ [from $^{92}\text{Mo}(\text{}^{90}\text{Zr}, \text{n})$ and subsequent decay]; measured $E\alpha$, $\alpha\alpha$ -, $\alpha\gamma$ -coin, $T_{1/2}$. ^{181}Pb deduced ground-state J, π . Gammasphere array, fragment separator. REPT ANL-05/61,P53,Carpenter

A=174

- ^{174}Lu 2006HE14 NUCLEAR REACTIONS Yb(d, xn) ^{170}Lu / ^{171}Lu / ^{172}Lu / ^{173}Lu / ^{174}Lu / ^{177}Lu , E \approx 3-20 MeV; Yb(d, xnp) ^{169}Yb / ^{175}Yb , E \approx 3-20 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223
- ^{174}W 2006TA13 NUCLEAR REACTIONS $^{128}\text{Te}(\text{}^{50}\text{Ti}, 4\text{n})$, E=215, 225 MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{174}W deduced high-spin levels, J, π , configurations, high-K isomeric states $T_{1/2}$. Gammasphere array, comparison with cranked mean-field model predictions. JOUR PRVCA 73 044306

A=175

- ^{175}Yb 2006HE14 NUCLEAR REACTIONS Yb(d, xn) ^{170}Lu / ^{171}Lu / ^{172}Lu / ^{173}Lu / ^{174}Lu / ^{177}Lu , E \approx 3-20 MeV; Yb(d, xnp) ^{169}Yb / ^{175}Yb , E \approx 3-20 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223

A=176

- ^{176}Yb 2005BI28 NUCLEAR MOMENTS ^{130m}Ba , ^{176m}Yb ; measured charge radii. Hf, Lu, Yb; analyzed radii. Mass separator, laser spectroscopy. JOUR HYIND 162 63
- ^{176}Lu 2006DE22 RADIOACTIVITY $^{176}\text{Lu}(\beta^-)$; measured isotope ratios; deduced $T_{1/2}$. Thermal ionization mass spectrometer. JOUR PRVCA 73 045806
- ^{176}Hf 2006DE22 RADIOACTIVITY $^{176}\text{Lu}(\beta^-)$; measured isotope ratios; deduced $T_{1/2}$. Thermal ionization mass spectrometer. JOUR PRVCA 73 045806

A=177

- ¹⁷⁷Lu 2006HE14 NUCLEAR REACTIONS Yb(d, xn)¹⁷⁰Lu / ¹⁷¹Lu / ¹⁷²Lu / ¹⁷³Lu / ¹⁷⁴Lu / ¹⁷⁷Lu, E ≈ 3-20 MeV; Yb(d, xnp)¹⁶⁹Yb / ¹⁷⁵Yb, E ≈ 3-20 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223
- ¹⁷⁷Hf 2006WI11 NUCLEAR REACTIONS ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured E γ , I γ , capture σ ; deduced Maxwellian-averaged σ . Astrophysical implications discussed. JOUR PRVCA 73 045807
- ¹⁷⁷Hg 2005CAZV RADIOACTIVITY ¹⁸¹Pb, ¹⁷⁷Hg(α) [from ⁹²Mo(⁹⁰Zr, n) and subsequent decay]; measured E α , $\alpha\alpha$ -, $\alpha\gamma$ -coin, T_{1/2}. ¹⁸¹Pb deduced ground-state J, π . Gammasphere array, fragment separator. REPT ANL-05/61,P53,Carpenter

A=178

- ¹⁷⁸Hf 2006WI11 NUCLEAR REACTIONS ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured E γ , I γ , capture σ ; deduced Maxwellian-averaged σ . Astrophysical implications discussed. JOUR PRVCA 73 045807
- ¹⁷⁸Ta 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E ≈ 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E ≈ 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E ≈ 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E ≈ 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E ≈ 20-40 MeV; measured activation σ . JOUR NIMAE 562 785

A=179

- ¹⁷⁹Hf 2006WI11 NUCLEAR REACTIONS ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured E γ , I γ , capture σ ; deduced Maxwellian-averaged σ . Astrophysical implications discussed. JOUR PRVCA 73 045807
- ¹⁷⁹Au 2006AN11 RADIOACTIVITY ¹⁸⁷Po, ^{187,187m}Bi, ^{183m}Tl(α) [from ¹⁴⁴Sm(⁴⁶Ti, xnyp) and subsequent decay]; measured E γ , E α , T_{1/2}; deduced hindrance factors. ¹⁸⁷Po, ¹⁸³Pb, ¹⁸⁷Bi, ¹⁸³Tl deduced levels, J, π , configurations, deformation. JOUR PRVCA 73 044324

A=180

- ¹⁸⁰Hf 2006WI11 NUCLEAR REACTIONS ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured E γ , I γ , capture σ ; deduced Maxwellian-averaged σ . Astrophysical implications discussed. JOUR PRVCA 73 045807
- ¹⁸⁰Ta 2006G017 NUCLEAR REACTIONS ¹⁸¹Ta(γ , n), E=9.2-12.3 MeV; measured total photoneutron and ground-state σ ; deduced partial σ for isomeric state production. Astrophysical implications discussed. JOUR PRLTA 96 192501
- 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E ≈ 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E ≈ 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E ≈ 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E ≈ 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E ≈ 20-40 MeV; measured activation σ . JOUR NIMAE 562 785

A=181

- ¹⁸¹Hf 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E γ , I γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSPE 69 722
- 2006WI11 NUCLEAR REACTIONS ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured E γ , I γ , capture σ ; deduced Maxwellian-averaged σ . Astrophysical implications discussed. JOUR PRVCA 73 045807
- ¹⁸¹Ta 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E γ , I γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSPE 69 722
- 2006PA20 NUCLEAR REACTIONS ⁶³Cu(³¹P, xnyp), E=125 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸¹Ta(³¹P, ³¹P'), E=125 MeV; measured E γ , I γ , $\gamma\gamma$ -coin following Coulomb excitation. ^{88,89}Nb, ¹⁸¹Ta deduced transitions. INGA array, new background subtraction technique discussed. JOUR NIMAE 562 222
- ¹⁸¹Re 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E \approx 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E \approx 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E \approx 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E \approx 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E \approx 20-40 MeV; measured activation σ . JOUR NIMAE 562 785
- ¹⁸¹Tl 2005CAZU NUCLEAR REACTIONS ⁹²Mo(⁹⁰Zr, p), E not given; measured E γ , I γ , (recoil) γ -coin. ¹⁸¹Tl deduced levels, J, π . Gammasphere array, fragment separator. REPT ANL-05/61,P53,Carpenter
- ¹⁸¹Pb 2005CAZV RADIOACTIVITY ¹⁸¹Pb, ¹⁷⁷Hg(α) [from ⁹²Mo(⁹⁰Zr, n) and subsequent decay]; measured E α , $\alpha\alpha$ -, $\alpha\gamma$ -coin, T_{1/2}. ¹⁸¹Pb deduced ground-state J, π . Gammasphere array, fragment separator. REPT ANL-05/61,P53,Carpenter

A=182

No references found

A=183

- ¹⁸³W 2005SU29 NUCLEAR REACTIONS ^{182,183,184,186}W(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸³W deduced two-quantum cascade intensities, level densities, radiative strength functions. JOUR BRSPE 69 734
- ¹⁸³Re 2006NA19 NUCLEAR REACTIONS ²⁷Al(d, X)²²Na / ²⁴Na, E \approx 20-40 MeV; Fe(d, X)⁵⁵Co / ⁵⁶Co, E \approx 20-40 MeV; Cu(d, X)⁶¹Cu / ⁶²Zn, E \approx 20-40 MeV; Ta(d, X)¹⁷⁸Ta / ¹⁸⁰Ta, E \approx 20-40 MeV; W(d, X)¹⁸¹Re / ¹⁸³Re, E \approx 20-40 MeV; measured activation σ . JOUR NIMAE 562 785
- ¹⁸³Tl 2006AN11 RADIOACTIVITY ¹⁸⁷Po, ^{187,187m}Bi, ^{183m}Tl(α) [from ¹⁴⁴Sm(⁴⁶Ti, xnyp) and subsequent decay]; measured E γ , E α , T_{1/2}; deduced hindrance factors. ¹⁸⁷Po, ¹⁸³Pb, ¹⁸⁷Bi, ¹⁸³Tl deduced levels, J, π , configurations, deformation. JOUR PRVCA 73 044324
- ¹⁸³Pb 2006AN11 RADIOACTIVITY ¹⁸⁷Po, ^{187,187m}Bi, ^{183m}Tl(α) [from ¹⁴⁴Sm(⁴⁶Ti, xnyp) and subsequent decay]; measured E γ , E α , T_{1/2}; deduced hindrance factors. ¹⁸⁷Po, ¹⁸³Pb, ¹⁸⁷Bi, ¹⁸³Tl deduced levels, J, π , configurations, deformation. JOUR PRVCA 73 044324

A=184

¹⁸⁴W 2005SU29 NUCLEAR REACTIONS ^{182,183,184,186}W(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸³W deduced two-quantum cascade intensities, level densities, radiative strength functions. JOUR BRSPE 69 734

A=185

¹⁸⁵W 2005SU29 NUCLEAR REACTIONS ^{182,183,184,186}W(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸³W deduced two-quantum cascade intensities, level densities, radiative strength functions. JOUR BRSPE 69 734

A=186

No references found

A=187

¹⁸⁷W 2005SU29 NUCLEAR REACTIONS ^{182,183,184,186}W(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸³W deduced two-quantum cascade intensities, level densities, radiative strength functions. JOUR BRSPE 69 734

¹⁸⁷Os 2004CH68 NUCLEAR MOMENTS ^{187,189}Os; measured hfs in OsO₄. JOUR CRPOB 5 171

¹⁸⁷Bi 2006AN11 NUCLEAR REACTIONS ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 2np), E=224 MeV; measured E γ , E α , (recoil) α -coin following residual nucleus decay; deduced production σ . Recoil velocity filter. JOUR PRVCA 73 044324

2006AN11 RADIOACTIVITY ¹⁸⁷Po, ^{187,187m}Bi, ^{183m}Tl(α) [from ¹⁴⁴Sm(⁴⁶Ti, xnyp) and subsequent decay]; measured E γ , E α , T_{1/2}; deduced hindrance factors. ¹⁸⁷Po, ¹⁸³Pb, ¹⁸⁷Bi, ¹⁸³Tl deduced levels, J, π , configurations, deformation. JOUR PRVCA 73 044324

¹⁸⁷Po 2006AN11 NUCLEAR REACTIONS ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 2np), E=224 MeV; measured E γ , E α , (recoil) α -coin following residual nucleus decay; deduced production σ . Recoil velocity filter. JOUR PRVCA 73 044324

2006AN11 RADIOACTIVITY ¹⁸⁷Po, ^{187,187m}Bi, ^{183m}Tl(α) [from ¹⁴⁴Sm(⁴⁶Ti, xnyp) and subsequent decay]; measured E γ , E α , T_{1/2}; deduced hindrance factors. ¹⁸⁷Po, ¹⁸³Pb, ¹⁸⁷Bi, ¹⁸³Tl deduced levels, J, π , configurations, deformation. JOUR PRVCA 73 044324

A=188

¹⁸⁸Pt 2006TA14 NUCLEAR REACTIONS Ir(d, xn)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ^{193m}Pt, E \approx 1-38 MeV; Ir(d, X)¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir / ^{194m}Ir, E \approx 1-38 MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210

A=189

^{189}Os	2004CH68	NUCLEAR MOMENTS $^{187,189}\text{Os}$; measured hfs in OsO_4 . JOUR CRPOB 5 171
^{189}Ir	2006TA14	NUCLEAR REACTIONS $\text{Ir}(d, xn)^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{193m}\text{Pt}$, $E \approx 1\text{-}38$ MeV; $\text{Ir}(d, X)^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{194}\text{Ir} / ^{194m}\text{Ir}$, $E \approx 1\text{-}38$ MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210
^{189}Pt	2006TA14	NUCLEAR REACTIONS $\text{Ir}(d, xn)^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{193m}\text{Pt}$, $E \approx 1\text{-}38$ MeV; $\text{Ir}(d, X)^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{194}\text{Ir} / ^{194m}\text{Ir}$, $E \approx 1\text{-}38$ MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210

A=190

^{190}Os	2006REZY	NUCLEAR REACTIONS $^{192}\text{Os}(^{82}\text{Se}, ^{80}\text{Se})$, $(^{82}\text{Se}, ^{82}\text{Se}')$, $(^{82}\text{Se}, ^{84}\text{Se})$, $E=460$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin. $^{80,82,84}\text{Se}$ deduced levels, J , π . GASP array, comparison with shell model predictions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P464,Regan
^{190}Ir	2006TA14	NUCLEAR REACTIONS $\text{Ir}(d, xn)^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{193m}\text{Pt}$, $E \approx 1\text{-}38$ MeV; $\text{Ir}(d, X)^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{194}\text{Ir} / ^{194m}\text{Ir}$, $E \approx 1\text{-}38$ MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210
	2006TI06	NUCLEAR REACTIONS Pb , ^{208}Pb , $^{209}\text{Bi}(p, X)^{203}\text{Pb} / ^{200}\text{Tl} / ^{199}\text{Tl} / ^{196}\text{Au} / ^{192}\text{Ir} / ^{190}\text{Ir} / ^{173}\text{Lu} / ^{101m}\text{Rh} / ^{86}\text{Rb} / ^{59}\text{Fe} / ^{24}\text{Na} / ^7\text{Be}$, $E \approx 40\text{-}2600$ MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=191

^{191}Pt	2006TA14	NUCLEAR REACTIONS $\text{Ir}(d, xn)^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{193m}\text{Pt}$, $E \approx 1\text{-}38$ MeV; $\text{Ir}(d, X)^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{194}\text{Ir} / ^{194m}\text{Ir}$, $E \approx 1\text{-}38$ MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210
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A=192

^{192}Os	2005KU42	RADIOACTIVITY $^{181}\text{Hf}(\beta^-)$; $^{169}\text{Yb}(\text{EC})$; ^{152}Eu , $^{192}\text{Ir}(\text{EC})$, (β^-) ; measured E_γ , I_γ . ^{181}Ta deduced levels, J , π . JOUR BRSPE 69 722
	2006REZY	NUCLEAR REACTIONS $^{192}\text{Os}(^{82}\text{Se}, ^{80}\text{Se})$, $(^{82}\text{Se}, ^{82}\text{Se}')$, $(^{82}\text{Se}, ^{84}\text{Se})$, $E=460$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin. $^{80,82,84}\text{Se}$ deduced levels, J , π . GASP array, comparison with shell model predictions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P464,Regan
^{192}Ir	2005KU42	RADIOACTIVITY $^{181}\text{Hf}(\beta^-)$; $^{169}\text{Yb}(\text{EC})$; ^{152}Eu , $^{192}\text{Ir}(\text{EC})$, (β^-) ; measured E_γ , I_γ . ^{181}Ta deduced levels, J , π . JOUR BRSPE 69 722

A=192 (continued)

- 2006TA14 NUCLEAR REACTIONS Ir(d, xn)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ^{193m}Pt, E ≈ 1-38 MeV; Ir(d, X)¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir / ^{194m}Ir, E ≈ 1-38 MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210
- 2006TI06 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E ≈ 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801
- ¹⁹²Pt 2005KU42 RADIOACTIVITY ¹⁸¹Hf(β^-); ¹⁶⁹Yb(EC); ¹⁵²Eu, ¹⁹²Ir(EC), (β^-); measured E γ , I γ . ¹⁸¹Ta deduced levels, J, π . JOUR BRSPE 69 722

A=193

- ¹⁹³Pt 2006TA14 NUCLEAR REACTIONS Ir(d, xn)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ^{193m}Pt, E ≈ 1-38 MeV; Ir(d, X)¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir / ^{194m}Ir, E ≈ 1-38 MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210

A=194

- ¹⁹⁴Os 2006REZY NUCLEAR REACTIONS ¹⁹²Os(⁸²Se, ⁸⁰Se), (⁸²Se, ⁸²Se'), (⁸²Se, ⁸⁴Se), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{80,82,84}Se deduced levels, J, π . GASP array, comparison with shell model predictions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P464,Regan
- ¹⁹⁴Ir 2006TA14 NUCLEAR REACTIONS Ir(d, xn)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ^{193m}Pt, E ≈ 1-38 MeV; Ir(d, X)¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir / ^{194m}Ir, E ≈ 1-38 MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210

A=195

- ¹⁹⁵Hg 2006SU06 NUCLEAR REACTIONS Pt(³He, X)¹⁹⁵Hg / ^{195m}Hg / ¹⁹⁷Hg / ^{197m}Hg / ¹⁹⁶Au / ^{196m}Au, E=18-35 MeV; Pt(α , xn)¹⁹⁷Hg / ^{197m}Hg, E=17-26 MeV; ¹⁹⁷Au(p, n), E=6-20 MeV; measured σ , isomer production ratios. Stacked-foil activation, comparison with model predictions. JOUR PRVCA 73 034613

A=196

- ¹⁹⁶Au 2006SU06 NUCLEAR REACTIONS Pt(³He, X)¹⁹⁵Hg / ^{195m}Hg / ¹⁹⁷Hg / ^{197m}Hg / ¹⁹⁶Au / ^{196m}Au, E=18-35 MeV; Pt(α , xn)¹⁹⁷Hg / ^{197m}Hg, E=17-26 MeV; ¹⁹⁷Au(p, n), E=6-20 MeV; measured σ , isomer production ratios. Stacked-foil activation, comparison with model predictions. JOUR PRVCA 73 034613

A=196 (continued)

- 2006TI06 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be , $E \approx 40\text{-}2600$ MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=197

- ^{197}Hg 2006SU06 NUCLEAR REACTIONS Pt(^3He , X) ^{195}Hg / ^{195m}Hg / ^{197}Hg / ^{197m}Hg / ^{196}Au / ^{196m}Au , $E=18\text{-}35$ MeV; Pt(α , xn) ^{197}Hg / ^{197m}Hg , $E=17\text{-}26$ MeV; $^{197}\text{Au}(p, n)$, $E=6\text{-}20$ MeV; measured σ , isomer production ratios. Stacked-foil activation, comparison with model predictions. JOUR PRVCA 73 034613

A=198

- ^{198}Au 2006KRZX NUCLEAR REACTIONS $^{197}\text{Au}(n, \gamma)$, $E=\text{thermal}$, 90-100 keV; measured $E\gamma$, $I\gamma$; deduced upper limit for pygmy resonance production σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P563,Krticka

A=199

- ^{199}Tl 2006TI06 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be , $E \approx 40\text{-}2600$ MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=200

- ^{200}Tl 2006SI18 NUCLEAR REACTIONS $^{60,61}\text{Ni}$, ^{93}Nb , $^{121,122}\text{Sb}$, $^{130}\text{Te}(p, n)$, $E \approx 4\text{-}20$ MeV; $^{63,65}\text{Cu}$, ^{93}Nb , $^{121,123}\text{Sb}$, $^{197}\text{Au}(\alpha, n)$, $E \approx 5\text{-}45$ MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR NIMAE 562 717
- 2006TI06 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be , $E \approx 40\text{-}2600$ MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=201

No references found

A=202

No references found

A=203

²⁰³Pb 2006TI06 NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E ≈ 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801

A=204

No references found

A=205

²⁰⁵Pb 2006D0ZZ NUCLEAR REACTIONS ^{204,206}Pb(n, γ), E=low; measured capture σ; deduced resonance features. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P288

A=206

No references found

A=207

²⁰⁷Pb 2005VAZY RADIOACTIVITY ^{208,209}Tl(β⁻); ⁴⁴Sc, ²⁰⁷Bi(EC); measured Eγ, Iγ, γγ-coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84,Vasiliev

2006BEZZ NUCLEAR REACTIONS ²⁰⁶Pb(n, γ), E=cold; measured Eγ, Iγ. ²⁰⁷Pb deduced transition intensities. ^{127,129}I(n, γ), E=cold; measured Eγ; deduced thermal σ. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P300,Belgya

2006D0ZZ NUCLEAR REACTIONS ^{204,206}Pb(n, γ), E=low; measured capture σ; deduced resonance features. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P288

²⁰⁷Bi 2005VAZY RADIOACTIVITY ^{208,209}Tl(β⁻); ⁴⁴Sc, ²⁰⁷Bi(EC); measured Eγ, Iγ, γγ-coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84,Vasiliev

A=208

- ²⁰⁸Tl 2005VAZY RADIOACTIVITY ^{208,209}Tl(β^-); ⁴⁴Sc, ²⁰⁷Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
- ²⁰⁸Pb 2005VAZY RADIOACTIVITY ^{208,209}Tl(β^-); ⁴⁴Sc, ²⁰⁷Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
- 2006BE18 NUCLEAR REACTIONS ²⁶Mg, ⁴⁸Ti, ²⁰⁸Pb(⁷⁸Kr, ⁷⁸Kr'), E=180, 200, 350 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁸Kr deduced levels, J, π , B(E2), B(M1), quadrupole moments, deformation parameters. Comparison with model predictions. JOUR NUPAB 770 107
- 2006PE13 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁰Ni, ⁷⁰Ni'), (⁷⁴Zn, ⁷⁴Zn'), (⁷⁶Ge, ⁷⁶Ge'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁰Ni, ⁷⁴Zn deduced transitions B(E2), enhanced core polarization. JOUR PRLTA 96 232501
- 2006ZH12 NUCLEAR REACTIONS ²⁰⁸Pb(⁶Li, ⁶Li), E=25-46 MeV; measured elastic $\sigma(\theta)$; deduced optical potential parameters, effects of coupling to breakup channel. JOUR CPLEE 23 1146

A=209

- ²⁰⁹Tl 2005VAZY RADIOACTIVITY ^{208,209}Tl(β^-); ⁴⁴Sc, ²⁰⁷Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
- ²⁰⁹Pb 2005VAZY RADIOACTIVITY ^{208,209}Tl(β^-); ⁴⁴Sc, ²⁰⁷Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
- ²⁰⁹Bi 2006LI17 NUCLEAR REACTIONS ²⁰⁸Pb(p, γ), E=14.8, 15.7, 16.9 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. Afrodite array. Comparison with model predictions. JOUR PRVCA 73 044609
- 2006MAZY ATOMIC MASSES ²⁰⁹Bi, ^{210,211,213,214,217,218,230}Th, ²³⁸U; measured masses. ^{210,211,213,214,217,218}Th deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006

A=210

- ²¹⁰Po 2006PE10 NUCLEAR REACTIONS ²⁰⁶Pb(⁶He, 2n), E(cm) \approx 10-25 MeV; measured production σ ; deduced sequential fusion mechanism for sub-barrier enhancement. JOUR PRLTA 96 162701
- ²¹⁰Ra 2006HA17 RADIOACTIVITY ^{210,211,212}Ra(IT) [from ¹⁷⁴Yb(⁴⁰Ar, xn)]; measured E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}. ^{210,211,212}Ra deduced levels, J, π , T_{1/2}. Recoil separator. JOUR NIMAE 560 388
- ²¹⁰Th 2006MAZY ATOMIC MASSES ²⁰⁹Bi, ^{210,211,213,214,217,218,230}Th, ²³⁸U; measured masses. ^{210,211,213,214,217,218}Th deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006

A=211

- ^{211}Ra 2006HA17 RADIOACTIVITY $^{210,211,212}\text{Ra(IT)}$ [from $^{174}\text{Yb}(^{40}\text{Ar}, \text{xn})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$. $^{210,211,212}\text{Ra}$ deduced levels, J , π , $T_{1/2}$. Recoil separator. JOUR NIMAE 560 388
- ^{211}Th 2006MAZY ATOMIC MASSES ^{209}Bi , $^{210,211,213,214,217,218,230}\text{Th}$, ^{238}U ; measured masses. $^{210,211,213,214,217,218}\text{Th}$ deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006

A=212

- ^{212}Ra 2006HA17 RADIOACTIVITY $^{210,211,212}\text{Ra(IT)}$ [from $^{174}\text{Yb}(^{40}\text{Ar}, \text{xn})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$. $^{210,211,212}\text{Ra}$ deduced levels, J , π , $T_{1/2}$. Recoil separator. JOUR NIMAE 560 388

A=213

- ^{213}Th 2006MAZY ATOMIC MASSES ^{209}Bi , $^{210,211,213,214,217,218,230}\text{Th}$, ^{238}U ; measured masses. $^{210,211,213,214,217,218}\text{Th}$ deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006

A=214

- ^{214}Th 2006MAZY ATOMIC MASSES ^{209}Bi , $^{210,211,213,214,217,218,230}\text{Th}$, ^{238}U ; measured masses. $^{210,211,213,214,217,218}\text{Th}$ deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006

A=215

No references found

A=216

No references found

A=217

- ^{217}Fr 2006H003 NUCLEAR REACTIONS $^{207,208}\text{Pb}$, $^{209}\text{Bi}(^{18}\text{O}, 2n\alpha)$, $(^{18}\text{O}, 3n\alpha)$, $(^{18}\text{O}, n2\alpha)$, ^{208}Pb , $^{209}\text{Bi}(^{18}\text{O}, 2n2\alpha)$, $E \approx 90\text{-}94$ MeV; measured $E\gamma$, $E\alpha$, $\alpha\gamma$ -coin, angular distributions and correlations; deduced reaction mechanism features. GASP array. JOUR PRVCA 73 044604
- ^{217}Th 2006MAZY ATOMIC MASSES ^{209}Bi , $^{210,211,213,214,217,218,230}\text{Th}$, ^{238}U ; measured masses. $^{210,211,213,214,217,218}\text{Th}$ deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006

A=218

- ^{218}Fr 2006H003 NUCLEAR REACTIONS $^{207,208}\text{Pb}$, $^{209}\text{Bi}(^{18}\text{O}, 2n\alpha)$, $(^{18}\text{O}, 3n\alpha)$, $(^{18}\text{O}, n2\alpha)$, ^{208}Pb , $^{209}\text{Bi}(^{18}\text{O}, 2n2\alpha)$, $E \approx 90\text{-}94$ MeV; measured $E\gamma$, $E\alpha$, $\alpha\gamma$ -coin, angular distributions and correlations; deduced reaction mechanism features. GASP array. JOUR PRVCA 73 044604
- ^{218}Th 2006MAZY ATOMIC MASSES ^{209}Bi , $^{210,211,213,214,217,218,230}\text{Th}$, ^{238}U ; measured masses. $^{210,211,213,214,217,218}\text{Th}$ deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006

A=219

No references found

A=220

- ^{220}Ac 2006H003 NUCLEAR REACTIONS $^{207,208}\text{Pb}$, $^{209}\text{Bi}(^{18}\text{O}, 2n\alpha)$, $(^{18}\text{O}, 3n\alpha)$, $(^{18}\text{O}, n2\alpha)$, ^{208}Pb , $^{209}\text{Bi}(^{18}\text{O}, 2n2\alpha)$, $E \approx 90\text{-}94$ MeV; measured $E\gamma$, $E\alpha$, $\alpha\gamma$ -coin, angular distributions and correlations; deduced reaction mechanism features. GASP array. JOUR PRVCA 73 044604

A=221

- ^{221}Ac 2006H003 NUCLEAR REACTIONS $^{207,208}\text{Pb}$, $^{209}\text{Bi}(^{18}\text{O}, 2n\alpha)$, $(^{18}\text{O}, 3n\alpha)$, $(^{18}\text{O}, n2\alpha)$, ^{208}Pb , $^{209}\text{Bi}(^{18}\text{O}, 2n2\alpha)$, $E \approx 90\text{-}94$ MeV; measured $E\gamma$, $E\alpha$, $\alpha\gamma$ -coin, angular distributions and correlations; deduced reaction mechanism features. GASP array. JOUR PRVCA 73 044604

A=222

No references found

A=223

No references found

A=224

No references found

A=225

- ^{225}Ra 2005KIZR RADIOACTIVITY $^{229,229m}\text{Th}(\alpha)$ [from $^{232}\text{Th}(\gamma, 2n\text{p})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. JOUR KKYHB 38 25

A=226

No references found

A=227

No references found

A=228

No references found

A=229

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|-------------------|----------|--|
| ^{229}Ac | 2006RU07 | RADIOACTIVITY $^{229}\text{Ac}(\beta^-)$ [from $^{238}\text{U}(\text{p}, \text{X})$ and subsequent decay]; measured prompt and delayed $\text{E}\gamma$, $\text{I}\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin. ^{229}Th deduced levels, J , π , $\text{T}_{1/2}$, transition probabilities, rotational band features. Potential energy surface calculations, quasiparticle-plus-phonon model calculations. JOUR PRVCA 73 044326 |
| ^{229}Th | 2005KAZT | RADIOACTIVITY $^{229\text{m}}\text{Th}$ [from ^{233}U decay]; measured $\text{I}\gamma$, $\text{T}_{1/2}$ limits. Chemical separation. JOUR KKYHB 38 32 |
| | 2005KIZR | RADIOACTIVITY $^{229,229\text{m}}\text{Th}(\alpha)$ [from $^{232}\text{Th}(\gamma, 2\text{np})$ and subsequent decay]; measured $\text{E}\alpha$, $\text{T}_{1/2}$. JOUR KKYHB 38 25 |
| | 2006RU07 | RADIOACTIVITY $^{229}\text{Ac}(\beta^-)$ [from $^{238}\text{U}(\text{p}, \text{X})$ and subsequent decay]; measured prompt and delayed $\text{E}\gamma$, $\text{I}\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin. ^{229}Th deduced levels, J , π , $\text{T}_{1/2}$, transition probabilities, rotational band features. Potential energy surface calculations, quasiparticle-plus-phonon model calculations. JOUR PRVCA 73 044326 |

A=230

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|-------------------|----------|---|
| ^{230}Th | 2006MAZY | ATOMIC MASSES ^{209}Bi , $^{210,211,213,214,217,218,230}\text{Th}$, ^{238}U ; measured masses. $^{210,211,213,214,217,218}\text{Th}$ deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006 |
|-------------------|----------|---|

A=231

No references found

A=232

No references found

A=233

²³³Th 2006AE01 NUCLEAR REACTIONS ²³²Th(n, γ), E=0.001-1000 keV; measured capture σ ; deduced resonance parameters. JOUR PRVCA 73 054610

A=234

²³⁴U 2006HA20 RADIOACTIVITY ²³⁸Pu(α); measured E α . JOUR ARISE 64 864
2006KRZY NUCLEAR REACTIONS ²³³U(d, pF), E=12 MeV; ²³⁵U(d, pF), E=9.73 MeV; measured Ep, fission fragment spectra; deduced fission probability vs excitation energy. ^{234,236}U deduced hyperdeformed rotational bands, fission barrier features. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P439

A=235

²³⁵U 2006RUZZ NUCLEAR REACTIONS ^{234,236}U(n, γ), E \approx 0-500 keV; measured capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P312,Rundberg

A=236

²³⁶U 2006KRZY NUCLEAR REACTIONS ²³³U(d, pF), E=12 MeV; ²³⁵U(d, pF), E=9.73 MeV; measured Ep, fission fragment spectra; deduced fission probability vs excitation energy. ^{234,236}U deduced hyperdeformed rotational bands, fission barrier features. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P439

A=237

²³⁷U 2006RUZZ NUCLEAR REACTIONS ^{234,236}U(n, γ), E \approx 0-500 keV; measured capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P312,Rundberg

A=238

²³⁸U 2006MAZY ATOMIC MASSES ²⁰⁹Bi, ^{210,211,213,214,217,218,230}Th, ²³⁸U; measured masses. ^{210,211,213,214,217,218}Th deduced possible long-lived isomeric states. PREPRINT nucl-ex/0605008,5/11/2006
²³⁸Np 2006AD16 NUCLEAR REACTIONS ¹²⁹I, ¹³⁹La, ²³⁷Np(n, X), (n, γ), E=spectrum; measured reaction rates for capture and transmutation using proton-induced spallation neutrons. JOUR NIMAE 562 741
²³⁸Pu 2006HA20 RADIOACTIVITY ²³⁸Pu(α); measured E α . JOUR ARISE 64 864

A=239

²³⁹Bk 2006AN13 RADIOACTIVITY ^{247,251}Md, ²⁴³Es, ²⁵⁵Lr, ²⁶¹Sg(α); measured E γ , E α , T_{1/2}. ²⁵⁷Rf, ²⁵¹Md, ^{243,247}Es deduced levels, J, π . JOUR APSVC 56 87

A=240

No references found

A=241

No references found

A=242

No references found

A=243

²⁴³Es 2006AN13 RADIOACTIVITY ^{247,251}Md, ²⁴³Es, ²⁵⁵Lr, ²⁶¹Sg(α); measured E γ , E α , T_{1/2}. ²⁵⁷Rf, ²⁵¹Md, ^{243,247}Es deduced levels, J, π . JOUR APSVC 56 87

A=244

²⁴⁴Am 2006CAZZ NUCLEAR REACTIONS ²³⁷Np, ²⁴⁰Pu, ²⁴³Am(n, γ), E < 1 keV; measured capture σ . Total absorption calorimeter. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P318,Cano-Ott

A=245

No references found

A=246

²⁴⁶Md 2006AN13 NUCLEAR REACTIONS ²⁰⁹Bi(⁴⁰Ar, xn), (⁴⁸Ca, xn), E \approx 5 MeV / nucleon; measured delayed E γ , E α , $\alpha\gamma$ -coin; deduced evidence for ^{246,247}Md, ²⁵⁵Lr. ²⁰⁸Pb(⁵⁴Cr, n), (⁵⁴Cr, 2n), E* \approx 12-35 MeV; measured excitation functions. JOUR APSVC 56 87

A=247

- ^{247}Es 2006AN13 RADIOACTIVITY $^{247,251}\text{Md}$, ^{243}Es , ^{255}Lr , $^{261}\text{Sg}(\alpha)$; measured $E\gamma$, $E\alpha$, $T_{1/2}$. ^{257}Rf , ^{251}Md , $^{243,247}\text{Es}$ deduced levels, J, π . JOUR APSVC 56 87
- ^{247}Md 2006AN13 NUCLEAR REACTIONS $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{48}\text{Ca}, \text{xn})$, $E \approx 5$ MeV / nucleon; measured delayed $E\gamma$, $E\alpha$, $\alpha\gamma$ -coin; deduced evidence for $^{246,247}\text{Md}$, ^{255}Lr . $^{208}\text{Pb}(^{54}\text{Cr}, \text{n})$, $(^{54}\text{Cr}, 2\text{n})$, $E^* \approx 12\text{-}35$ MeV; measured excitation functions. JOUR APSVC 56 87
- 2006AN13 RADIOACTIVITY $^{247,251}\text{Md}$, ^{243}Es , ^{255}Lr , $^{261}\text{Sg}(\alpha)$; measured $E\gamma$, $E\alpha$, $T_{1/2}$. ^{257}Rf , ^{251}Md , $^{243,247}\text{Es}$ deduced levels, J, π . JOUR APSVC 56 87

A=248

- ^{248}Cm 2006UR01 RADIOACTIVITY $^{248}\text{Cm}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{109}Mo deduced levels, J, π , configurations. Eurogam2 array. JOUR PRVCA 73 037302
- 2006UR02 RADIOACTIVITY $^{248}\text{Cm}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{136}I deduced levels, J, π , ICC, configurations. Eurogam2 array. JOUR ZAANE 27 257

A=249

- ^{249}Bk 2005GU40 RADIOACTIVITY ^{253}Es , $^{255}\text{Fm}(\alpha)$ [from Cm, $^{252}\text{Cf}(\text{n}, \text{X})$]; measured $E\alpha$, $E\gamma$, angular anisotropy from oriented nuclei implanted in iron. JOUR BRSPPE 69 821

A=250

- ^{250}No 2006PEZY RADIOACTIVITY $^{250,250m}\text{No}(\text{SF})$ [from $^{204}\text{Pb}(^{48}\text{Ca}, 2\text{n})$]; measured fission $T_{1/2}$ for ground and metastable state, α -decay branching ratio upper limit. Half-life systematics in neighboring nuclides discussed. Mass separator. PREPRINT nucl-ex/0604005,4/10/2006

A=251

- ^{251}Cf 2005GU40 RADIOACTIVITY ^{253}Es , $^{255}\text{Fm}(\alpha)$ [from Cm, $^{252}\text{Cf}(\text{n}, \text{X})$]; measured $E\alpha$, $E\gamma$, angular anisotropy from oriented nuclei implanted in iron. JOUR BRSPPE 69 821
- ^{251}Md 2006AN13 RADIOACTIVITY $^{247,251}\text{Md}$, ^{243}Es , ^{255}Lr , $^{261}\text{Sg}(\alpha)$; measured $E\gamma$, $E\alpha$, $T_{1/2}$. ^{257}Rf , ^{251}Md , $^{243,247}\text{Es}$ deduced levels, J, π . JOUR APSVC 56 87

A=252

- ²⁵²Cf 2006CH24 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁴⁸Ce deduced levels, J, π , rotational bands, B(E1) / B(E2), possible octupole correlations. Gammasphere array. JOUR PRVCA 73 054316
- 2006HW01 RADIOACTIVITY ²⁵²Cf(SF); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{95,97}Sr, ^{97,100,104}Zr, ¹⁰⁶Mo, ¹⁴⁸Ce deduced levels T_{1/2}, B(E2), quadrupole deformation. Gammasphere array, time-gated triple-coincidence method. JOUR PRVCA 73 044316
- 2006OR05 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ (θ , H), $\gamma\gamma$ -coin. ¹⁰¹Zr, ^{103,105}Mo levels deduced δ , g-factors, quadrupole moments, configurations. Gammasphere array, time-integrated perturbed angular correlation, rigid triaxial rotor-plus-particle calculations. JOUR PRVCA 73 054310

A=253

- ²⁵³Es 2005GU40 RADIOACTIVITY ²⁵³Es, ²⁵⁵Fm(α) [from Cm, ²⁵²Cf(n, X)]; measured E α , E γ , angular anisotropy from oriented nuclei implanted in iron. JOUR BRSPPE 69 821

A=254

No references found

A=255

- ²⁵⁵Fm 2005BB14 NUCLEAR MOMENTS ²⁵⁵Fm; measured hfs. Resonance ionization spectroscopy. JOUR HYIND 162 3
- 2005GU40 RADIOACTIVITY ²⁵³Es, ²⁵⁵Fm(α) [from Cm, ²⁵²Cf(n, X)]; measured E α , E γ , angular anisotropy from oriented nuclei implanted in iron. JOUR BRSPPE 69 821
- ²⁵⁵Lr 2006AN13 NUCLEAR REACTIONS ²⁰⁹Bi(⁴⁰Ar, xn), (⁴⁸Ca, xn), E \approx 5 MeV / nucleon; measured delayed E γ , E α , $\alpha\gamma$ -coin; deduced evidence for ^{246,247}Md, ²⁵⁵Lr. ²⁰⁸Pb(⁵⁴Cr, n), (⁵⁴Cr, 2n), E* \approx 12-35 MeV; measured excitation functions. JOUR APSVC 56 87
- 2006AN13 RADIOACTIVITY ^{247,251}Md, ²⁴³Es, ²⁵⁵Lr, ²⁶¹Sg(α); measured E γ , E α , T_{1/2}. ²⁵⁷Rf, ²⁵¹Md, ^{243,247}Es deduced levels, J, π . JOUR APSVC 56 87

A=256

No references found

A=257

²⁵⁷Rf 2006AN13 RADIOACTIVITY ^{247,251}Md, ²⁴³Es, ²⁵⁵Lr, ²⁶¹Sg(α); measured E γ , E α , T_{1/2}. ²⁵⁷Rf, ²⁵¹Md, ^{243,247}Es deduced levels, J, π . JOUR APSVC 56 87

A=258

No references found

A=259

No references found

A=260

²⁶⁰Sg 2006AN13 NUCLEAR REACTIONS ²⁰⁹Bi(⁴⁰Ar, xn), (⁴⁸Ca, xn), E \approx 5 MeV / nucleon; measured delayed E γ , E α , $\alpha\gamma$ -coin; deduced evidence for ^{246,247}Md, ²⁵⁵Lr. ²⁰⁸Pb(⁵⁴Cr, n), (⁵⁴Cr, 2n), E* \approx 12-35 MeV; measured excitation functions. JOUR APSVC 56 87

A=261

²⁶¹Sg 2006AN13 NUCLEAR REACTIONS ²⁰⁹Bi(⁴⁰Ar, xn), (⁴⁸Ca, xn), E \approx 5 MeV / nucleon; measured delayed E γ , E α , $\alpha\gamma$ -coin; deduced evidence for ^{246,247}Md, ²⁵⁵Lr. ²⁰⁸Pb(⁵⁴Cr, n), (⁵⁴Cr, 2n), E* \approx 12-35 MeV; measured excitation functions. JOUR APSVC 56 87

2006AN13 RADIOACTIVITY ^{247,251}Md, ²⁴³Es, ²⁵⁵Lr, ²⁶¹Sg(α); measured E γ , E α , T_{1/2}. ²⁵⁷Rf, ²⁵¹Md, ^{243,247}Es deduced levels, J, π . JOUR APSVC 56 87

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