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Recent References:
April 1, 2006 to June 30, 2006

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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 $^3\text{He}(\gamma, 2\text{p})$, (γ, p) , $E=0.3\text{-}1.6$ GeV; measured $\sigma(E, \theta)$. Other reaction channels discussed. JOUR MPLAE 18 225
	2003IS19	NUCLEAR REACTIONS $^2\text{H}(\text{p}, 2\text{p})$, $E=13$ MeV; measured E_{p} , $\text{pp}=\text{coin}$, $\sigma(\theta)$; deduced no space star anomaly. JOUR MPLAE 18 436
	2005G047	NUCLEAR REACTIONS $^3\text{H}(\alpha, \text{d}\alpha)$, $E=67.2$ MeV; measured deuteron and α spectra, $\text{d}\alpha\text{-coin}$. ^5He deduced excited state energy, width. JOUR BRSPE 69 838
	2005G048	NUCLEAR REACTIONS $^3\text{H}(\alpha, \text{d}\alpha)$, $(\alpha, 2\text{d})$, $E=67.2$ MeV; measured deuteron and α spectra, dd- , $\text{d}\alpha\text{-coin}$. ^5He deduced excited states energy, widths. Kinematically complete experiment. JOUR BRSPE 69 841
	2006ANZY	NUCLEAR REACTIONS $^3\text{He}(\text{polarized } \text{e}, \text{e}')$, $E=0.778, 1.727$ 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 $^1\text{H}(\text{polarized } \text{d}, \text{np})$, $(\text{polarized } \text{d}, 2\text{p})$, E at 2.4 GeV / c; measured vector and tensor analyzing powers. Comparison with impulse approximation calculations. JOUR PYLBB 637 170
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	2006KL04	NUCLEAR REACTIONS $^2\text{H}(\text{e}, \text{e}'\text{p})$, $E=5.75$ 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 $^3\text{He}(\gamma, \text{p})$, $(\gamma, 2\text{p})$, $E=10.2, 16.0$ MeV; measured charged particle spectra, σ . Comparison with model predictions. JOUR PRVCA 73 034003
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	2003SE18	NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \text{d}, \text{d})$, $E=135$ MeV / nucleon; measured polarization transfer coefficients; deduced three-nucleon force effects. JOUR MPLAE 18 327
	2003T033	NUCLEAR REACTIONS $^2\text{H}(\text{polarized } \gamma, \text{n})$, $E=2.39\text{-}4.05$ MeV; measured analyzing power. Comparison with model predictions. JOUR MPLAE 18 282
	2006AN10	NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \text{e}, \text{e})$, $E=3.03$ GeV; measured parity-violating weak asymmetry; deduced strange form factors. Comparison with other results. JOUR PYLBB 635 275
	2006CH23	NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \text{d}, \text{np})$, $(\text{polarized } \text{d}, 2\text{p})$, 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 $\beta\text{p}\gamma$ -coin; deduced branching ratio for radiative decay. JOUR JTPLA 83 5
- 2006MC03 NUCLEAR REACTIONS $^2\text{H}(\gamma, \text{K}^+\text{K}^-\text{n})$, $E=0.8\text{-}3.6$ 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 $^2\text{H}(\text{polarized p}, \text{p})$, $(\text{polarized p}, \text{d})$, $E=22.7$ MeV; measured spin transfer coefficients. Comparison with model predictions using various potentials. JOUR PRVCA 73 044004

A=2

- ^2H 2003BE77 NUCLEAR REACTIONS $^3\text{He}(\gamma, 2\text{p})$, (γ, p) , $E=0.3\text{-}1.6$ GeV; measured $\sigma(E, \theta)$. Other reaction channels discussed. JOUR MPLAE 18 225
- 2003MB06 NUCLEAR REACTIONS $^2\text{H}(\text{polarized n}, \text{n})$, $E=245$ MeV; measured $\sigma(\theta)$, $A_\gamma(\theta)$. JOUR MPLAE 18 298
- 2003SA69 NUCLEAR REACTIONS ^2H , $^3\text{He}(\text{e}, \text{e}'\text{p})$, $E=4.8$ GeV; measured $\sigma(E, \theta)$, asymmetry. Comparison with model predictions. JOUR MPLAE 18 235
- 2003SH45 NUCLEAR REACTIONS $^2\text{H}(\text{polarized p}, \text{p})$, $E=250$ MeV; measured $\sigma(\theta)$, $A_\gamma(\theta)$, polarization transfer coefficients. JOUR MPLAE 18 313
- 2003TA43 NUCLEAR REACTIONS $^2\text{H}(\text{polarized p}, \text{p})$, $E=392$ MeV; measured $\sigma(\theta)$, $A_\gamma(\theta)$. Comparison with model predictions. JOUR MPLAE 18 440
- 2003T032 NUCLEAR REACTIONS $^2\text{H}(\text{polarized n}, \text{n})$, $E=1.2, 1.9$ 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. $^{181}\text{Ta}(^{40}\text{Ar}, X)^{23}\text{Ne}$ / ^{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
- 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, $dd-$, $d\alpha$ -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 $^3\text{He}(\text{polarized } e, e')$, $E=0.778, 1.727 \text{ GeV}$; 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
- 2006BA29 NUCLEAR REACTIONS $^2\text{H}(\text{p}, \pi^+\pi^-)$, $(\text{p}, 2\pi^0)$, $E=0.893 \text{ GeV}$; 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 $^1\text{H}(\text{polarized } d, \gamma)$, $E=29, 45 \text{ MeV}$; measured $E\gamma$, vector and tensor analyzing powers. Comparison with model predictions. JOUR PRVCA 73 034005
- 2006LE19 NUCLEAR REACTIONS $^2\text{H}(d, \text{p})$, (d, n) , $E=120\text{--}650 \text{ keV}$; measured E_p , E_n , $\sigma(E, \theta)$; deduced integrated σ . Astrophysical implications discussed. JOUR PRVCA 73 045801
- 2006LE22 NUCLEAR REACTIONS $\text{Pb}, \text{Bi}(\text{p}, \text{X})^3\text{He} / ^4\text{He} / ^{21}\text{Ne} / ^{22}\text{Ne} / ^{81}\text{Kr} / ^{82}\text{Kr} / ^{85}\text{Kr} / ^{126}\text{Xe} / ^{132}\text{Xe}$, $E \approx 10\text{--}2600 \text{ MeV}$; measured production σ . JOUR NIMAE 562 760
- 2006M008 NUCLEAR MOMENTS ^3He ; measured isotope shift, hfs; deduced charge radius. JOUR PLRAA 73 034502
- 2006NIZY NUCLEAR REACTIONS $^4\text{He}(\gamma, \text{n})$, $E=23\text{--}70 \text{ MeV}$; 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

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

A=5

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

A=6

⁶ Li	2005N016	NUCLEAR MOMENTS ^{6,8,9} Li; measured isotope shifts; deduced charge radii. JOUR HYIND 162 93
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A=7

⁷ He	2003TA41	NUCLEAR REACTIONS ⁷ Li, ¹² C(e, e' ⁺ K ⁺), E \approx 1.8 GeV; measured missing mass spectra. ⁷ He, ¹² B deduced hypernucleus levels, transitions. JOUR MPLAE 18 112
	2006SK03	NUCLEAR REACTIONS ¹ H(⁸ He, d), E=15.7 MeV / nucleon; measured deuteron spectra, $\sigma(\theta)$; deduced spectroscopic factor. ⁷ He deduced levels, J, π , resonant state. ⁸ He deduced subshell closure. JOUR PRVCA 73 044301
	2006YU03	NUCLEAR REACTIONS ⁷ Li, ¹² C(e, e' ⁺ K ⁺), E=1.8 GeV; measured hypernucleus production associated missing mass spectra. ⁷ He, ¹² B deduced hypernucleus level energies, J, π . JOUR PRVCA 73 044607
⁷ Li	2005OHZW	RADIOACTIVITY ⁷ Be(EC) [from ⁹ Be(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 ¹⁰ B(n, α), E=1.5-5.6 MeV; measured σ . Comparison with model predictions, previous results. JOUR NIMAE 562 737
	2006NA13	ATOMIC MASSES ⁷ Li; measured mass. Penning trap spectrometer. Comparison with previous results. JOUR PRLTA 96 163004
	2006RA07	RADIOACTIVITY ⁷ Be(EC); measured T _{1/2} for source implanted in C ₆₀ and gold foil; deduced environmental effects. JOUR PRVCA 73 034323
⁷ Be	2005OHZW	RADIOACTIVITY ⁷ Be(EC) [from ⁹ Be(γ , 2n)]; measured E γ , I γ , T _{1/2} for source in beryllium metal. Environmental effects discussed. JOUR KKYHB 38 36
	2006RA07	RADIOACTIVITY ⁷ Be(EC); measured T _{1/2} for source implanted in C ₆₀ and gold foil; deduced environmental effects. JOUR PRVCA 73 034323
	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=8

^8He	2006SK03	NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, \text{d})$, $E=15.7$ 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 $^{6,8,9}\text{Li}$; measured isotope shifts; deduced charge radii. JOUR HYIND 162 93
	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
^8Be	2006BAZV	RADIOACTIVITY $^8\text{B}(\beta^+)$; measured E/β ; deduced ground-state transition branching ratio. REPT Univ Washington Annual 2006,P49,Bacrania
	2006BE22	NUCLEAR REACTIONS $^6\text{Li}(\text{d}, \text{X})^8\text{Be}$, E at rest; measured $T_{1/2}$ lower limit for molecular-nuclear transition. JOUR FBSYE 38 103
	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
	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
^8B	2006BAZV	RADIOACTIVITY $^8\text{B}(\beta^+)$; measured E/β ; deduced ground-state transition branching ratio. REPT Univ Washington Annual 2006,P49,Bacrania
	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

A=9

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

A=10

^{10}Be	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
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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,
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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,
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- 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}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}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

¹⁸ O	2006CHZY	NUCLEAR REACTIONS ¹⁸ O(n, n'), E=8.5 MeV; measured $\sigma(E, \theta)$. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P101,Choudry
	2006YI01	NUCLEAR REACTIONS ¹² C(¹⁸ O, α ¹⁴ C), (¹⁸ O, α ¹⁶ O), (¹⁸ O, α ¹⁸ O), E=140 MeV; measured charged particle spectra, angular correlations. ¹⁸ O, ^{20,22} Ne deduced levels, J, π , configurations, cluster structure. JOUR PRVCA 73 034601
¹⁸ F	2006LEZW	NUCLEAR REACTIONS ²¹ Ne(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
¹⁸ Ne	2005SIZX	NUCLEAR REACTIONS ¹ H(²¹ Na, α), E(cm) \approx 1300-2500 keV; measured excitation function. REPT ANL-05/61,P6,Sinha
	2006AC04	RADIOACTIVITY ²² Al(β^+), (β^+ p), (β^+ 2p), (β^+ α) [from ³⁶ Ar fragmentation]; measured β -delayed E α , E γ , Ep, 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
	2006OB03	NUCLEAR REACTIONS ⁹ Be(²⁴ Mg, X), (²⁵ Al, X), (³⁴ Ar, X) ¹⁸ Ne / ²¹ Na, E \approx 90-110 MeV / nucleon; ⁹ Be(²⁶ Si, X) ¹⁸ Ne / ²⁴ Si, E \approx 109 MeV / nucleon; ⁹ Be(²⁸ Mg, X) ²⁶ Ne, 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

¹⁹ F	2006K013	NUCLEAR REACTIONS ² H(¹⁸ F, p), E=108.5 MeV; measured Ep, $\sigma(E, \theta)$. ¹⁹ F 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 ⁴ He(¹⁵ O, ¹⁵ O), E=12.5 MeV; measured recoil α spectrum. ¹⁹ F deduced resonant state width. JOUR ZAANE 27 183
¹⁹ Ne	2006KAZZ	NUCLEAR REACTIONS ³ He(²⁰ Ne, α), E=34 MeV; measured E γ , I γ , (particle) γ -coin, DSA. ¹⁹ Ne level deduced T _{1/2} , decay width. PREPRINT nucl-ex/0605033,5/25/2006
	2006SKZZ	NUCLEAR REACTIONS ¹ H(¹⁸ Na, ¹⁸ 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

A=20

²⁰ Ne	2006AC04	RADIOACTIVITY ²² Al(β^+), (β^+ p), (β^+ 2p), (β^+ α) [from ³⁶ Ar fragmentation]; measured β -delayed E α , E γ , Ep, 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
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A=20 (continued)

	2006C0ZY	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)

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

A=23

^{23}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}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne , $E=94$ MeV / nucleon; measured yields. JOUR PRLTA 96 182501
^{23}Al	2003ZH49	NUCLEAR REACTIONS $\text{C}(^{15}\text{N}, \text{X})$, $(^{17}\text{N}, \text{X})$, $(^{16}\text{O}, \text{X})$, $(^{18}\text{O}, \text{X})$, $(^{17}\text{F}, \text{X})$, $(^{19}\text{F}, \text{X})$, $(^{21}\text{F}, \text{X})$, $(^{20}\text{Ne}, \text{X})$, $(^{22}\text{Ne}, \text{X})$, $(^{21}\text{Na}, \text{X})$, $(^{23}\text{Na}, \text{X})$, $(^{22}\text{Mg}, \text{X})$, $(^{24}\text{Mg}, \text{X})$, $(^{23}\text{Al}, \text{X})$, $(^{25}\text{Al}, \text{X})$, $(^{26}\text{Si}, \text{X})$, $(^{27}\text{P}, \text{X})$, $E \approx 18\text{-}33$ MeV; measured reaction σ . ^{17}F , ^{23}Al , ^{27}P deduced radii, halo features. Secondary beams from ^{36}Ar fragmentation. Comparison with model predictions. JOUR MPLAE 18 151

A=24

^{24}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}Ne / ^{25}Ne / ^{26}Ne / ^{27}Ne / ^{28}Ne , $E=94$ MeV / nucleon; measured yields. JOUR PRLTA 96 182501
^{24}Na	2006JA11	NUCLEAR REACTIONS $\text{Fe}(\text{p}, \text{X})^{24}\text{Na}$ / ^{41}Ar / ^{42}K / ^{43}K / ^{43}Sc / $^{44\text{m}}\text{Sc}$ / ^{44}Sc / ^{46}Sc / ^{47}Sc / ^{48}Sc / ^{48}Cr / ^{49}Cr / ^{51}Cr / ^{48}V / $^{52\text{m}}\text{Mn}$ / ^{52}Mn / ^{54}Mn / ^{52}Fe / ^{56}Co , $E=650$ MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
	2006NA19	NUCLEAR REACTIONS $^{27}\text{Al}(\text{d}, \text{X})^{22}\text{Na}$ / ^{24}Na , $E \approx 20\text{-}40$ MeV; $\text{Fe}(\text{d}, \text{X})^{55}\text{Co}$ / ^{56}Co , $E \approx 20\text{-}40$ MeV; $\text{Cu}(\text{d}, \text{X})^{61}\text{Cu}$ / ^{62}Zn , $E \approx 20\text{-}40$ MeV; $\text{Ta}(\text{d}, \text{X})^{178}\text{Ta}$ / ^{180}Ta , $E \approx 20\text{-}40$ MeV; $\text{W}(\text{d}, \text{X})^{181}\text{Re}$ / ^{183}Re , $E \approx 20\text{-}40$ 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 kernels. ^{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

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

A=28

^{28}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_γ , I_γ . $^{27,28}\text{Ne}$ deduced levels, possible J , π , $B(E2)$, neutron quadrupole transition matrix element. $^{181}\text{Ta}(^{40}\text{Ar}, \text{X})^{23}\text{Ne} / ^{24}\text{Ne} / ^{25}\text{Ne} / ^{26}\text{Ne} / ^{27}\text{Ne} / ^{28}\text{Ne}$, $E=94$ MeV / nucleon; measured yields. JOUR PRLTA 96 182501
	2006TR02	RADIOACTIVITY $^{27,28,29}\text{Ne}(\beta^-)$; $^{28,29}\text{Ne}(\beta^-n)$; $^{29}\text{Ne}(\beta^-2n)$ [from $\text{Be}(^{48}\text{Ca}, \text{X})$]; measured β -delayed E_γ , I_γ , $T_{1/2}$; deduced log ft, branching ratios. $^{27,28,29}\text{Na}$ 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 2006BOZZ 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=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 $\text{Ca}(\mu^-, \nu\text{xnpz}\alpha)^{43}\text{K} / ^{41}\text{K} / ^{40}\text{K} / ^{39}\text{K} / ^{38}\text{K} / ^{37}\text{K} / ^{39}\text{Ar} / ^{38}\text{Ar} / ^{38}\text{Cl} / ^{37}\text{Cl} / ^{36}\text{Cl} / ^{35}\text{Cl} / ^{34}\text{Cl}$, E at rest; $\text{Fe}(\mu^-, \nu\text{xnpz}\alpha)^{56}\text{Mn} / ^{55}\text{Mn} / ^{54}\text{Mn} / ^{53}\text{Mn} / ^{54}\text{Cr}$, E at rest; $\text{Ni}(\mu^-, \nu\text{xnpz}\alpha)^{58}\text{Fe} / ^{56}\text{Fe} / ^{59}\text{Co} / ^{57}\text{Co}$, 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=7.7-11 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

⁴³ 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
⁴³ 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
	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
⁴³ K	2006JA11	NUCLEAR REACTIONS Fe(p, X) ²⁴ Na / ⁴¹ Ar / ⁴² K / ⁴³ K / ⁴³ Sc / ^{44m} Sc / ⁴⁴ Sc / ⁴⁶ Sc / ⁴⁷ Sc / ⁴⁸ Sc / ⁴⁸ Cr / ⁴⁹ Cr / ⁵¹ Cr / ⁴⁸ V / ^{52m} Mn / ⁵² Mn / ⁵⁴ Mn / ⁵² Fe / ⁵⁶ Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
	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
⁴³ Sc	2006JA11	NUCLEAR REACTIONS Fe(p, X) ²⁴ Na / ⁴¹ Ar / ⁴² K / ⁴³ K / ⁴³ Sc / ^{44m} Sc / ⁴⁴ Sc / ⁴⁶ Sc / ⁴⁷ Sc / ⁴⁸ Sc / ⁴⁸ Cr / ⁴⁹ Cr / ⁵¹ Cr / ⁴⁸ V / ^{52m} Mn / ⁵² Mn / ⁵⁴ Mn / ⁵² Fe / ⁵⁶ Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
⁴³ Cr	2003BL21	RADIOACTIVITY ⁴⁵ Fe(2p), (β^+ p) [from Be, Ni(⁵⁸ Ni, X)]; measured E γ , T _{1/2} . Mass separator, comparison with model predictions. JOUR CRPOB 4 521

A=44

⁴⁴ 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
⁴⁴ Ca	2005VAZY	RADIOACTIVITY ^{208,209} Tl(β^-); ⁴⁴ Sc, ²⁰⁷ Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴ Ca, ^{207,208,209} Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
⁴⁴ Sc	2005VAZY	RADIOACTIVITY ^{208,209} Tl(β^-); ⁴⁴ Sc, ²⁰⁷ Bi(EC); measured E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴ Ca, ^{207,208,209} Pb deduced transition intensities. REPT JINR-P13-2005-84, Vasiliev
	2006JA11	NUCLEAR REACTIONS Fe(p, X) ²⁴ Na / ⁴¹ Ar / ⁴² K / ⁴³ K / ⁴³ Sc / ^{44m} Sc / ⁴⁴ Sc / ⁴⁶ Sc / ⁴⁷ Sc / ⁴⁸ Sc / ⁴⁸ Cr / ⁴⁹ Cr / ⁵¹ Cr / ⁴⁸ V / ^{52m} Mn / ⁵² Mn / ⁵⁴ Mn / ⁵² Fe / ⁵⁶ Co, 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)

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

A=49

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

⁵⁴ Cr	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
⁵⁴ Mn	2006JA11	NUCLEAR REACTIONS Fe(p, X) ²⁴ Na / ⁴¹ Ar / ⁴² K / ⁴³ K / ⁴³ Sc / ^{44m} Sc / ⁴⁴ Sc / ⁴⁶ Sc / ⁴⁷ Sc / ⁴⁸ Sc / ⁴⁸ Cr / ⁴⁹ Cr / ⁵¹ Cr / ⁴⁸ V / ^{52m} Mn / ⁵² Mn / ⁵⁴ Mn / ⁵² Fe / ⁵⁶ Co, E=650 MeV; measured production σ . Activation technique. Comparison with model predictions. JOUR ANEND 33 633
	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=55

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

A=56

⁵⁶ Mn	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
⁵⁶ Fe	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
	2006V0ZX	NUCLEAR REACTIONS ⁵⁵ Mn(d, n), E=7 MeV; measured En, σ (E, θ). ⁵⁶ Fe deduced nuclear level density, γ -strength function. PREPRINT nucl-ex/0604002,4/6/2006
	2006V0ZZ	NUCLEAR REACTIONS ⁵⁵ Mn(d, n), E=7 MeV; measured En. ⁵⁷ Fe(³ He, $\alpha\gamma$), E not given; analyzed data. ⁵⁶ Fe 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^- , 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
- 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^- , 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
- 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^- , 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 $E\gamma$, $I\gamma$, 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 $\text{Pb}(\text{p}, \text{X})^{60}\text{Fe}$ / ^{53}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 $^{27}\text{Al}(\text{d}, \text{X})^{22}\text{Na}$ / ^{24}Na , $E \approx 20\text{-}40$ MeV; $\text{Fe}(\text{d}, \text{X})^{55}\text{Co}$ / ^{56}Co , $E \approx 20\text{-}40$ MeV; $\text{Cu}(\text{d}, \text{X})^{61}\text{Cu}$ / ^{62}Zn , $E \approx 20\text{-}40$ MeV; $\text{Ta}(\text{d}, \text{X})^{178}\text{Ta}$ / ^{180}Ta , $E \approx 20\text{-}40$ MeV; $\text{W}(\text{d}, \text{X})^{181}\text{Re}$ / ^{183}Re , $E \approx 20\text{-}40$ MeV; measured activation σ . JOUR NIMAE 562 785
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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 $^{27}\text{Al}(\text{d}, \text{X})^{22}\text{Na}$ / ^{24}Na , $E \approx 20\text{-}40$ MeV; $\text{Fe}(\text{d}, \text{X})^{55}\text{Co}$ / ^{56}Co , $E \approx 20\text{-}40$ MeV; $\text{Cu}(\text{d}, \text{X})^{61}\text{Cu}$ / ^{62}Zn , $E \approx 20\text{-}40$ MeV; $\text{Ta}(\text{d}, \text{X})^{178}\text{Ta}$ / ^{180}Ta , $E \approx 20\text{-}40$ MeV; $\text{W}(\text{d}, \text{X})^{181}\text{Re}$ / ^{183}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 $^{62}\text{Ni}(\text{n}, \gamma)$, $E=0.25\text{-}100$ keV; measured $E\gamma$, $I\gamma$, capture σ . CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P273
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A=64

^{64}Co	2006POZZ	NUCLEAR REACTIONS $^{64}\text{Ni}(^3\text{He}, t)$, $E=420$ MeV; $^{64}\text{Ni}(d, 2p)$, $E=170$ MeV; measured particle spectra; deduced Gamow-Teller strength distributions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P550,Popescu
^{64}Ni	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
^{64}Cu	2006MA34	NUCLEAR REACTIONS $^{63}\text{Cu}(n, \gamma)$, $E=\text{reactor}$; measured capture rates, spatial distribution in fuel assembly. JOUR NIMAE 562 393
	2006POZZ	NUCLEAR REACTIONS $^{64}\text{Ni}(^3\text{He}, t)$, $E=420$ MeV; $^{64}\text{Ni}(d, 2p)$, $E=170$ MeV; measured particle spectra; deduced Gamow-Teller strength distributions. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P550,Popescu
^{64}Zn	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=65

^{65}Zn	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
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A=66

No references found

A=67

No references found

A=68

^{68}Se	2006GOZZ	ATOMIC MASSES ^{68}Se , ^{80}Y ; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P159
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A=69

No references found

A=70

⁷⁰ Ni	2006PE13	NUCLEAR REACTIONS ²⁰⁸ Pb(⁷⁰ Ni, ⁷⁰ Ni'), (⁷⁴ Zn, ⁷⁴ Zn'), (⁷⁶ Ge, ⁷⁶ Ge'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁰ Ni, ⁷⁴ Zn deduced transitions B(E2), enhanced core polarization. JOUR PRLTA 96 232501
⁷⁰ Cu	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
⁷⁰ Zn	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 ¹¹³ Cd(β^-); measured E β , T _{1/2} . ⁷⁰ Zn, ¹¹⁶ Cd, ^{128,130} Te(2 β^-); ⁶⁴ Zn, ¹⁰⁶ Cd, ¹²⁰ Te(β^+ EC), (2EC); ¹⁰⁶ Cd(2 β^+); measured T _{1/2} lower limits. JOUR PPNPD 57 235
⁷⁰ Ge	2006ZU02	RADIOACTIVITY ¹¹³ Cd(β^-); measured E β , T _{1/2} . ⁷⁰ Zn, ¹¹⁶ Cd, ^{128,130} Te(2 β^-); ⁶⁴ Zn, ¹⁰⁶ Cd, ¹²⁰ Te(β^+ EC), (2EC); ¹⁰⁶ Cd(2 β^+); measured T _{1/2} lower limits. JOUR PPNPD 57 235

A=71

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

⁷⁴ Zn	2006PE13	NUCLEAR REACTIONS ²⁰⁸ Pb(⁷⁰ Ni, ⁷⁰ Ni'), (⁷⁴ Zn, ⁷⁴ Zn'), (⁷⁶ Ge, ⁷⁶ Ge'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁰ Ni, ⁷⁴ Zn deduced transitions B(E2), enhanced core polarization. JOUR PRLTA 96 232501
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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 $^{192}\text{Os}(^{82}\text{Se}, ^{80}\text{Se}), (^{82}\text{Se}, ^{82}\text{Se}'), (^{82}\text{Se}, ^{84}\text{Se}),$ E=460 MeV; measured $E\gamma, I\gamma, \gamma\gamma$ -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
^{80}Br	2006BU07	NUCLEAR REACTIONS $\text{Rb}(p, X)^{80}\text{Sr} / ^{81}\text{Sr} / ^{82}\text{Sr} / ^{83}\text{Sr} / ^{85}\text{Sr} /$ $^{79}\text{Rb} / ^{81}\text{Rb} / ^{82m}\text{Rb} / ^{83}\text{Rb} / ^{84}\text{Rb} / ^{86}\text{Rb} / ^{77}\text{Br} / ^{80m}\text{Br} / ^{79}\text{Kr},$ E $\approx 8\text{-}100$ MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
^{80}Sr	2006BU07	NUCLEAR REACTIONS $\text{Rb}(p, X)^{80}\text{Sr} / ^{81}\text{Sr} / ^{82}\text{Sr} / ^{83}\text{Sr} / ^{85}\text{Sr} /$ $^{79}\text{Rb} / ^{81}\text{Rb} / ^{82m}\text{Rb} / ^{83}\text{Rb} / ^{84}\text{Rb} / ^{86}\text{Rb} / ^{77}\text{Br} / ^{80m}\text{Br} / ^{79}\text{Kr},$ E $\approx 8\text{-}100$ MeV; measured excitation functions. Stacked-foil activation technique. JOUR ARISE 64 915
^{80}Y	2006GOZZ	ATOMIC MASSES $^{68}\text{Se}, ^{80}\text{Y}$; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P159

A=81

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

A=82

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

A=83

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

A=84

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

A=85

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

⁹³ Zr	2006LAZZ	NUCLEAR REACTIONS ⁹² Zr(n, γ), E=fast; measured Eγ, Iγ. Possible baseline distortion effects discussed. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P402,Laptev
⁹³ Nb	2006CH26	NUCLEAR REACTIONS ⁹³ Nb(¹²⁴ Xe, ¹²⁴ Xe'), E=55 MeV / nucleon; measured Doppler-shifted Eγ, Iγ following projectile Coulomb excitation. ¹²⁴ Xe deduced excited state T _{1/2} . Time-of-flight technique, recoil-distance technique. JOUR NIMAE 562 230
⁹³ Mo	2006CH14	NUCLEAR REACTIONS ^{94,96} Mo(³ He, ³ He'), (³ He, α), E=30 MeV; ⁹⁸ Mo(³ He, ³ He'), (³ He, α), E=45 MeV; measured particle spectra, Eγ, Iγ, (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

⁹⁴ Kr	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
⁹⁴ Rb	2006H005	NUCLEAR REACTIONS ²³⁸ U(n, F) ⁹⁰ Rb / ⁹¹ Rb / ⁹² Rb / ⁹³ Rb / ⁹⁴ Rb / ⁹⁵ Rb / ⁹⁶ Rb / ⁹⁷ Rb / ⁹⁸ Rb / ⁹⁹ Rb / ¹⁰⁰ Rb / ¹³⁸ Cs / ¹³⁹ Cs / ¹⁴⁰ Cs / ¹⁴¹ Cs / ¹⁴² Cs / ¹⁴³ Cs / ¹⁴⁴ Cs / ¹⁴⁵ Cs / ¹⁴⁶ Cs / ¹⁴⁷ Cs / ¹⁴⁸ Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205
⁹⁴ Mo	2006CH14	NUCLEAR REACTIONS ^{94,96} Mo(³ He, ³ He'), (³ He, α), E=30 MeV; ⁹⁸ Mo(³ He, ³ He'), (³ He, α), E=45 MeV; measured particle spectra, Eγ, Iγ, (particle)γ-coin. ^{93,94,95,96,97,98} Mo deduced level densities; deduced thermodynamical quantities, phase transition features. JOUR PRVCA 73 034311
	2006V0ZY	NUCLEAR REACTIONS ⁹² Zr, ⁹⁴ Mo(e, e'), (p, p'), E not given; measured σ(E, θ). ⁹⁴ Mo 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

⁹⁵ Kr	2006GE05	RADIOACTIVITY ⁹⁵ Kr(IT) [from ²⁴¹ Pu(n, F)]; measured Eγ, Iγ, γγ-coin, T _{1/2} . ⁹⁵ Kr deduced levels, J, π, deformation. JOUR PRVCA 73 037308
	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
⁹⁵ Rb	2006H005	NUCLEAR REACTIONS ²³⁸ U(n, F) ⁹⁰ Rb / ⁹¹ Rb / ⁹² Rb / ⁹³ Rb / ⁹⁴ Rb / ⁹⁵ Rb / ⁹⁶ Rb / ⁹⁷ Rb / ⁹⁸ Rb / ⁹⁹ Rb / ¹⁰⁰ Rb / ¹³⁸ Cs / ¹³⁹ Cs / ¹⁴⁰ Cs / ¹⁴¹ Cs / ¹⁴² Cs / ¹⁴³ Cs / ¹⁴⁴ Cs / ¹⁴⁵ Cs / ¹⁴⁶ Cs / ¹⁴⁷ Cs / ¹⁴⁸ Cs, E=fast; measured fission yields. Isotope separator. JOUR NIMBE 247 205

A=95 (continued)

⁹⁵ Sr	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
⁹⁵ Zr	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
⁹⁵ Mo	2006CH14	NUCLEAR REACTIONS ^{94,96} Mo(³ He, ³ He'), (³ He, α), E=30 MeV; ⁹⁸ Mo(³ He, ³ He'), (³ He, 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
⁹⁵ Tc	2006KH03	NUCLEAR REACTIONS Mo(p, xn) ^{99m} Tc / ⁹⁶ Tc / ^{95m} Tc / ⁹⁵ Tc, E=10-30 MeV; measured production σ . Stacked-foil activation technique, comparison with previous results. JOUR KPSJA 48 821

A=96

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

A=97

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

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, Eγ, Iγ, (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, Eγ, Iγ, (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 Eγ, Iγ. ^{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 $^{94,95}\text{Kr}$, $^{98,99,100}\text{Sr}$, ^{101}Y , $^{108,109,110}\text{Mo}$, $^{109,111}\text{Tc}$; measured masses. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P164,Matos
^{100}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
^{100}Mo	2006RU06	NUCLEAR REACTIONS $^{92}\text{Mo}(\gamma, \gamma')$, $E=6.0$ MeV bremsstrahlung; $^{98,100}\text{Mo}(\gamma, \gamma')$, $E \approx 3.3, 3.8$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. $^{92,98,100}\text{Mo}$ deduced transitions $B(M1)$, strength distributions. Comparison with quasiparticle RPA model predictions. JOUR PRVCA 73 044308
^{100}Tc	2005FU18	NUCLEAR REACTIONS $^{99}\text{Tc}(n, \gamma)$, $E=\text{thermal}$; measured prompt and delayed $E\gamma$, $I\gamma$; deduced σ . JOUR JNRSA 6 283
	2005FU18	RADIOACTIVITY $^{100}\text{Tc}(\beta^-)$ [from $^{99}\text{Tc}(n, \gamma)$]; measured $E\gamma$, $I\gamma$. ^{100}Ru deduced γ -ray emission probabilities. JOUR JNRSA 6 283
^{100}Ru	2005FU18	RADIOACTIVITY $^{100}\text{Tc}(\beta^-)$ [from $^{99}\text{Tc}(n, \gamma)$]; measured $E\gamma$, $I\gamma$. ^{100}Ru deduced γ -ray emission probabilities. JOUR JNRSA 6 283
^{100}Rh	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
^{100}Pd	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=101

^{101}Y	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
^{101}Zr	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
^{101}Rh	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=102

^{102}Mo	2006RA12	NUCLEAR REACTIONS $^{100}\text{Mo}(\text{t}, \text{p})$, $E=12$ 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 $^{50}\text{Cr}(^{58}\text{Ni}, \text{X})$, $E=284\text{--}302$ 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
^{102}Sn	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=103

^{103}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
^{103}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
	2006HAZX	NUCLEAR REACTIONS Pd , $^{102}\text{Pd}(\text{n}, \gamma)$, $E \approx 0\text{--}200$ keV; measured $E\gamma$, $I\gamma$, σ ; deduced resonances. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P278,Hatarik
^{103}Ag	2006DE15	NUCLEAR REACTIONS $^{78}\text{Se}(^{32}\text{S}, 2\text{n}\alpha)$, $E=130$ MeV; $^{80}\text{Se}(^{30}\text{Si}, 4\text{n}\text{p})$, $(^{30}\text{Si}, 3\text{n}\text{p})$, $E=120$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. $^{103,105,106}\text{Ag}$ levels deduced $T_{1/2}$, $B(\text{M}1)$, $B(\text{E}2)$. 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 $T_{1/2}$, $B(\text{E}2)$, 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 $^{50}\text{Cr}(^{58}\text{Ni}, \text{X})$, $E=284\text{--}302$ 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
^{104}Sn	2006HEZX	RADIOACTIVITY $^{109}\text{I}(\text{p})$ [from $^{54}\text{Fe}(^{58}\text{Ni}, 2\text{n}\text{p})$]; measured E_{p} , I_{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=104 (*continued*)

- 2006KA16 RADIOACTIVITY $^{102,104}\text{Sn}(\text{EC})$, (β^+) [from $^{50}\text{Cr}(^{58}\text{Ni}, \text{X})$, $E=284\text{--}302\text{ MeV}$]; 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 $^{78}\text{Se}(^{32}\text{S}, 2\text{np}\alpha)$, $E=130\text{ MeV}$; $^{80}\text{Se}(^{30}\text{Si}, 4\text{np})$, ($^{30}\text{Si}, 3\text{np}$), $E=120\text{ MeV}$; 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 $^{78}\text{Se}(^{32}\text{S}, 2\text{np}\alpha)$, $E=130\text{ MeV}$; $^{80}\text{Se}(^{30}\text{Si}, 4\text{np})$, ($^{30}\text{Si}, 3\text{np}$), $E=120\text{ MeV}$; 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) ¹¹⁵ Cd / ¹¹¹ In / ¹⁰⁵ Ag / ^{106m} Ag / ^{110m} Ag / ¹¹¹ Ag, E=spectrum; Cd(p, X) ¹¹¹ In, E=spectrum; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823
¹⁰⁶ Cd	2006ZU02	RADIOACTIVITY ¹¹³ Cd(β^-); measured E β , T _{1/2} . ⁷⁰ Zn, ¹¹⁶ Cd, ^{128,130} Te(2 β^-); ⁶⁴ Zn, ¹⁰⁶ Cd, ¹²⁰ Te(β^+ EC), (2EC); ¹⁰⁶ Cd(2 β^+); measured T _{1/2} lower limits. JOUR PPNPD 57 235

A=107

¹⁰⁷ Mo	2005WAZR	ATOMIC MASSES ^{106,107} Mo, ^{107,108} Tc, ^{108,109,110,111} Ru, ¹¹¹ Rh; measured fission fragment masses. REPT ANL-05/61,P22,Wang
¹⁰⁷ Tc	2005WAZR	ATOMIC MASSES ^{106,107} Mo, ^{107,108} Tc, ^{108,109,110,111} Ru, ¹¹¹ Rh; measured fission fragment masses. REPT ANL-05/61,P22,Wang
¹⁰⁷ Pd	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
¹⁰⁷ In	2006GYZZ	NUCLEAR REACTIONS ^{106,108} Cd(p, γ), E=2.4-4.8 MeV; ¹⁰⁶ Cd(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

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

A=109

¹⁰⁹ Mo	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
	2006UR01	RADIOACTIVITY ²⁴⁸ Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁹ Mo 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}Ru / ^{111}Ru / ^{112}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=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}Sb / ^{120}Sb / ^{118m}Sb / ^{117}Sb / ^{116m}Sb / ^{115}Sb , E \approx 3-66 MeV; $\text{Sn}(p, xnyp)^{117m}\text{Sn}$ / ^{113}Sn / ^{114m}In / ^{111}In / ^{110}In / ^{109}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 $\text{Cd}(\text{n}, \text{X})^{115}\text{Cd} / ^{111}\text{In} / ^{105}\text{Ag} / ^{106\text{m}}\text{Ag} / ^{110\text{m}}\text{Ag} / ^{111}\text{Ag}$, 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 $\text{Sn}(\text{p}, \text{xn})^{124}\text{Sb} / ^{122}\text{Sb} / ^{120}\text{Sb} / ^{118\text{m}}\text{Sb} / ^{117}\text{Sb} / ^{116\text{m}}\text{Sb} / ^{115}\text{Sb}$, E \approx 3-66 MeV; $\text{Sn}(\text{p}, \text{xnp})^{117\text{m}}\text{Sn} / ^{113}\text{Sn} / ^{114\text{m}}\text{In} / ^{111}\text{In} / ^{110}\text{In} / ^{109}\text{In}$, 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 $\text{Cd}(\text{n}, \text{X})^{115}\text{Cd} / ^{111}\text{In} / ^{105}\text{Ag} / ^{106\text{m}}\text{Ag} / ^{110\text{m}}\text{Ag} / ^{111}\text{Ag}$, 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 BRSPE 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)

¹¹⁵ Ru	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(¹³⁶ Xe, 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
¹¹⁵ Rh	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(¹³⁶ Xe, 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
¹¹⁵ Pd	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(¹³⁶ Xe, 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
¹¹⁵ Cd	2006MA29	NUCLEAR REACTIONS Cd(n, X) ¹¹⁵ Cd / ¹¹¹ In / ¹⁰⁵ Ag / ^{106m} Ag / ^{110m} Ag / ¹¹¹ Ag, E=spectrum; Cd(p, X) ¹¹¹ In, E=spectrum; measured activation yields; deduced spallation proton and neutron spectra. JOUR ARISE 64 823
	2006TU05	NUCLEAR REACTIONS ¹¹⁵ In(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
¹¹⁵ In	2006TU05	NUCLEAR REACTIONS ¹¹⁵ In(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
¹¹⁵ Sb	2006HE13	NUCLEAR REACTIONS Sn(p, xn) ¹²⁴ Sb / ¹²² Sb / ¹²⁰ Sb / ^{118m} Sb / ¹¹⁷ Sb / ^{116m} Sb / ¹¹⁵ Sb, E \approx 3-66 MeV; Sn(p, xnyp) ^{117m} Sn / ¹¹³ Sn / ^{114m} In / ¹¹¹ In / ¹¹⁰ In / ¹⁰⁹ In, E \approx 3-66 MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180

A=116

¹¹⁶ Ru	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(¹³⁶ Xe, 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
¹¹⁶ Rh	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(¹³⁶ Xe, 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
¹¹⁶ Pd	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(¹³⁶ Xe, 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)

¹¹⁶ Cd	2006ZU02	RADIOACTIVITY ¹¹³ Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰ Zn, ¹¹⁶ Cd, ^{128,130} Te($2\beta^-$); ⁶⁴ Zn, ¹⁰⁶ Cd, ¹²⁰ Te(β^+EC), ($2EC$); ¹⁰⁶ Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
¹¹⁶ In	2006KR04	RADIOACTIVITY ^{123m,125m} Sn, ^{116m} In(IT) [from Sn, In(n, γ)]; measured $E\gamma$, $I\gamma$. ^{123,125} Sn, ¹¹⁶ In deduced levels, transitions. JOUR PRVCA 73 054312
¹¹⁶ Sn	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 ¹¹³ Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰ Zn, ¹¹⁶ Cd, ^{128,130} Te($2\beta^-$); ⁶⁴ Zn, ¹⁰⁶ Cd, ¹²⁰ Te(β^+EC), ($2EC$); ¹⁰⁶ Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
¹¹⁶ Sb	2006HE13	NUCLEAR REACTIONS Sn(p, xn) ¹²⁴ Sb / ¹²² Sb / ¹²⁰ Sb / ^{118m} Sb / ¹¹⁷ Sb / ^{116m} Sb / ¹¹⁵ Sb, $E \approx 3-66$ MeV; Sn($p, xnyp$) ^{117m} Sn / ¹¹³ Sn / ^{114m} In / ¹¹¹ In / ¹¹⁰ In / ¹⁰⁹ In, $E \approx 3-66$ 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
¹¹⁶ Te	2006PAZZ	NUCLEAR REACTIONS ¹⁰⁶ Cd, ¹¹² Sn(α, γ), $E=8-12$ MeV; measured $E\gamma$, $I\gamma$; deduced astrophysical S-factors. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P585,Palumbo

A=117

¹¹⁷ Ru	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(¹³⁶ Xe, 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
¹¹⁷ Rh	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(¹³⁶ Xe, 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
¹¹⁷ Pd	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(¹³⁶ Xe, 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
¹¹⁷ In	2005BE78	NUCLEAR REACTIONS ^{121,123} Sb(γ, n), ¹¹⁸ Sn(γ, p), $E=15, 16$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; 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)

- ^{118}Sb 2006HE13 NUCLEAR REACTIONS $\text{Sn}(p, xn)^{124}\text{Sb} / ^{122}\text{Sb} / ^{120}\text{Sb} / ^{118m}\text{Sb} / ^{117}\text{Sb} / ^{116m}\text{Sb} / ^{115}\text{Sb}$, $E \approx 3\text{-}66$ MeV; $\text{Sn}(p, xnyp)^{117m}\text{Sn} / ^{113}\text{Sn} / ^{114m}\text{In} / ^{111}\text{In} / ^{110}\text{In} / ^{109}\text{In}$, $E \approx 3\text{-}66$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
- 2006ZH10 NUCLEAR REACTIONS $^{116,118,122,124}\text{Sn}(p, n)$, $E=7\text{-}11$ 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

A=119

- ^{119}Rh 2006M007 RADIOACTIVITY $^{114,115}\text{Tc}$, $^{114,115,116,117,118}\text{Ru}$, $^{116,117,118,119,120,121}\text{Rh}$, $^{119,120,121,122,123,124}\text{Pd}$, $^{121,122,123,124}\text{Ag}(\beta^-)$ [from $\text{Be}(^{136}\text{Xe}, X)$]; measured $T_{1/2}$. $^{116,117,118,119,120}\text{Rh}$, $^{121,122,123}\text{Pd}$, $^{122,123,124}\text{Ag}(\beta^- n)$; measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ^{119}Pd 2006M007 RADIOACTIVITY $^{114,115}\text{Tc}$, $^{114,115,116,117,118}\text{Ru}$, $^{116,117,118,119,120,121}\text{Rh}$, $^{119,120,121,122,123,124}\text{Pd}$, $^{121,122,123,124}\text{Ag}(\beta^-)$ [from $\text{Be}(^{136}\text{Xe}, X)$]; measured $T_{1/2}$. $^{116,117,118,119,120}\text{Rh}$, $^{121,122,123}\text{Pd}$, $^{122,123,124}\text{Ag}(\beta^- n)$; measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ^{119}Ag 2006M007 RADIOACTIVITY $^{114,115}\text{Tc}$, $^{114,115,116,117,118}\text{Ru}$, $^{116,117,118,119,120,121}\text{Rh}$, $^{119,120,121,122,123,124}\text{Pd}$, $^{121,122,123,124}\text{Ag}(\beta^-)$ [from $\text{Be}(^{136}\text{Xe}, X)$]; measured $T_{1/2}$. $^{116,117,118,119,120}\text{Rh}$, $^{121,122,123}\text{Pd}$, $^{122,123,124}\text{Ag}(\beta^- n)$; measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
- ^{119}Sn 2006MA35 NUCLEAR MOMENTS ^{119}Sn ; measured Mossbauer spectra; deduced hyperfine parameters in LiMn_6Sn_6 . ^{119}Sn deduced excited state quadrupole moment. JOUR ZBBNE 51 173

A=120

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

A=120 (continued)

^{120}Ag	2006M007	RADIOACTIVITY $^{114,115}\text{Tc}$, $^{114,115,116,117,118}\text{Ru}$, $^{116,117,118,119,120,121}\text{Rh}$, $^{119,120,121,122,123,124}\text{Pd}$, $^{121,122,123,124}\text{Ag}(\beta^-)$ [from $\text{Be}(^{136}\text{Xe}, \text{X})$]; measured $T_{1/2}$. $^{116,117,118,119,120}\text{Rh}$, $^{121,122,123}\text{Pd}$, $^{122,123,124}\text{Ag}(\beta^- \text{n})$; measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
^{120}Sn	2006NIZZ	NUCLEAR REACTIONS $^{117,119}\text{Sn}(\text{n}, \gamma)$, $E=10\text{--}100$, 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 $^{113}\text{Cd}(\beta^-)$; 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
^{120}Sb	2005BE78	NUCLEAR REACTIONS $^{121,123}\text{Sb}(\gamma, \text{n})$, $^{118}\text{Sn}(\gamma, \text{p})$, $E=15$, 16 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced isomeric ratios. JOUR BRSPE 69 750
	2006HE13	NUCLEAR REACTIONS $\text{Sn}(\text{p}, \text{xn})^{124}\text{Sb} / ^{122}\text{Sb} / ^{120}\text{Sb} / ^{118\text{m}}\text{Sb} /$ $^{117}\text{Sb} / ^{116\text{m}}\text{Sb} / ^{115}\text{Sb}$, $E \approx 3\text{--}66$ MeV; $\text{Sn}(\text{p}, \text{xnp})^{117\text{m}}\text{Sn} / ^{113}\text{Sn} /$ $^{114\text{m}}\text{In} / ^{111}\text{In} / ^{110}\text{In} / ^{109}\text{In}$, $E \approx 3\text{--}66$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
^{120}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

A=121

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

A=122

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

A=123

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

A=123 (continued)

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

A=124

^{124}Pd	2006M007	RADIOACTIVITY $^{114,115}\text{Tc}$, $^{114,115,116,117,118}\text{Ru}$, $^{116,117,118,119,120,121}\text{Rh}$, $^{119,120,121,122,123,124}\text{Pd}$, $^{121,122,123,124}\text{Ag}(\beta^-)$ [from $\text{Be}(^{136}\text{Xe}, \text{X})$]; measured $T_{1/2}$. $^{116,117,118,119,120}\text{Rh}$, $^{121,122,123}\text{Pd}$, $^{122,123,124}\text{Ag}(\beta^-n)$; measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
^{124}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
	2006M007	RADIOACTIVITY $^{114,115}\text{Tc}$, $^{114,115,116,117,118}\text{Ru}$, $^{116,117,118,119,120,121}\text{Rh}$, $^{119,120,121,122,123,124}\text{Pd}$, $^{121,122,123,124}\text{Ag}(\beta^-)$ [from $\text{Be}(^{136}\text{Xe}, \text{X})$]; measured $T_{1/2}$. $^{116,117,118,119,120}\text{Rh}$, $^{121,122,123}\text{Pd}$, $^{122,123,124}\text{Ag}(\beta^-n)$; measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
^{124}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
	2006M007	RADIOACTIVITY $^{114,115}\text{Tc}$, $^{114,115,116,117,118}\text{Ru}$, $^{116,117,118,119,120,121}\text{Rh}$, $^{119,120,121,122,123,124}\text{Pd}$, $^{121,122,123,124}\text{Ag}(\beta^-)$ [from $\text{Be}(^{136}\text{Xe}, \text{X})$]; measured $T_{1/2}$. $^{116,117,118,119,120}\text{Rh}$, $^{121,122,123}\text{Pd}$, $^{122,123,124}\text{Ag}(\beta^-n)$; measured β -delayed neutron emission probability. Astrophysical implications discussed. JOUR PRVCA 73 035801
^{124}Sn	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}Sb	2006HE13	NUCLEAR REACTIONS $\text{Sn}(p, xn)^{124}\text{Sb}$ / ^{122}Sb / ^{120}Sb / ^{118m}Sb / ^{117}Sb / ^{116m}Sb / ^{115}Sb , $E \approx 3-66$ MeV; $\text{Sn}(p, xnyp)^{117m}\text{Sn}$ / ^{113}Sn / ^{114m}In / ^{111}In / ^{110}In / ^{109}In , $E \approx 3-66$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 180
	2006PA16	RADIOACTIVITY $^{124}\text{Sb}(\beta^-)$ [from $^{123}\text{Sb}(n, \gamma)$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{124}Te deduced levels, J , π . JOUR ARISE 64 693

A=124 (continued)

- 2006ZH10 NUCLEAR REACTIONS $^{116,118,122,124}\text{Sn}(p, n)$, $E=7\text{-}11$ 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 $E\gamma$, $I\gamma$, $\gamma\gamma\text{-coin}$. ^{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 $E\gamma$, $I\gamma$, $\gamma\gamma\text{-coin}$. ^{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 $E\gamma$, $I\gamma$ 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 $E\gamma$, $I\gamma$. $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J , π , branching ratios, $B(E1)$, $B(M1)$. JOUR PRVCA 73 054315

A=125

- ^{125}Sn 2006KR04 NUCLEAR REACTIONS $^{112,116,122,124}\text{Sn}(n, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, 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 $E\gamma$, $I\gamma$. $^{123,125}\text{Sn}$, ^{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 $E\gamma$, $I\gamma$, $\gamma\gamma\text{-coin}$. ^{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 $E\gamma$, $I\gamma$. $^{124,126,128,130}\text{Cd}$ deduced levels, J , π . Comparison with shell model predictions. THESIS T Kautzsch, Univ Johannes Gutenberg, Mainz
- ^{126}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
- ^{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 , $E \approx 10\text{-}2600$ 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 $E\gamma$, $I\gamma$. $^{124,126,128,129,130,131,132,134,136}\text{Xe}$ deduced levels, J , π , branching ratios, $B(E1)$, $B(M1)$. JOUR PRVCA 73 054315

A=127

^{127}Te	2006ZH14	NUCLEAR REACTIONS $^{128}\text{Te}(\text{n}, 2\text{n})^{127\text{m}}\text{Te}$, 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 $^{127}\text{I}(\text{n}, \text{n}'\gamma)$, 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 $^{197}\text{Au}(^{20}\text{Ne}, \text{X})^{37}\text{Ar} / ^{127}\text{Xe}$, 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

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 $^{238}\text{U}(\gamma, \text{F})^{84}\text{Br} / ^{129}\text{Sb} / ^{130}\text{Sb} / ^{131}\text{Te} / ^{132}\text{Sb} / ^{133}\text{Te} / ^{134}\text{I} / ^{135}\text{Xe}$, 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
^{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

¹³⁰ Ag	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
¹³⁰ Cd	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
¹³⁰ Sb	2005BE77	NUCLEAR REACTIONS ²³⁸ U(γ , F) ⁸⁴ Br / ¹²⁹ Sb / ¹³⁰ Sb / ¹³¹ Te / ¹³² Sb / ¹³³ Te / ¹³⁴ I / ¹³⁵ Xe, E=16 MeV; ²³⁷ Np(γ , F) ¹³⁴ I / ¹³⁵ Xe, E=16 MeV; measured $E\gamma$, $I\gamma$; deduced fission fragments mean angular momenta, isomeric ratios. JOUR BRSPE 69 745
¹³⁰ Te	2006AR06	RADIOACTIVITY ¹³⁰ Te($2\beta^-$); measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limit; deduced neutrino mass limits. JOUR PPNPD 57 203
	2006ZU02	RADIOACTIVITY ¹¹³ Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰ Zn, ¹¹⁶ Cd, ^{128,130} Te($2\beta^-$); ⁶⁴ Zn, ¹⁰⁶ Cd, ¹²⁰ Te(β^+EC), ($2EC$); ¹⁰⁶ Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
¹³⁰ I	2006SI18	NUCLEAR REACTIONS ^{60,61} Ni, ⁹³ Nb, ^{121,122} Sb, ¹³⁰ Te(p, n), E \approx 4-20 MeV; ^{63,65} Cu, ⁹³ Nb, ^{121,123} Sb, ¹⁹⁷ Au(α , n), E \approx 5-45 MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR NIMAE 562 717
¹³⁰ Xe	2006AR06	RADIOACTIVITY ¹³⁰ Te($2\beta^-$); 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 ¹¹³ Cd(β^-); measured $E\beta$, $T_{1/2}$. ⁷⁰ Zn, ¹¹⁶ Cd, ^{128,130} Te($2\beta^-$); ⁶⁴ Zn, ¹⁰⁶ Cd, ¹²⁰ Te(β^+EC), ($2EC$); ¹⁰⁶ Cd($2\beta^+$); measured $T_{1/2}$ lower limits. JOUR PPNPD 57 235
¹³⁰ Ba	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

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

- ^{138}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
- ^{138}Ba 2006T0ZY NUCLEAR REACTIONS $^{138}\text{Ba}(\text{polarized } \gamma, \gamma')$, E=4-8.5 MeV; measured $E\gamma$, $I\gamma$, asymmetry. ^{138}Ba deduced levels, J, π , electric dipole strength distribution. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P350,Tonchev
- ^{138}Ce 2006PIZZ NUCLEAR REACTIONS $\text{C}(^{138}\text{Ce}, ^{138}\text{Ce}')$, E=400, 480 MeV; measured $E\gamma$, $I\gamma$ following projectile Coulomb excitation. ^{138}Ce 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 $^{12}\text{C}(^{138}\text{Ce}, ^{138}\text{Ce}')$, 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

A=139

- ^{139}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
- ^{139}Ce 2006ANZZ NUCLEAR REACTIONS $^{138}\text{Ba}, ^{140}\text{Ce}, ^{142}\text{Nd}(\gamma, \text{n})$, E=15 MeV; measured prompt and delayed $E\gamma$, $I\gamma$. $^{137}\text{Ba}, ^{139}\text{Ce}, ^{141}\text{Nd}$ deduced levels, J, π , isomer population mechanism. CONF Notre Dame(Capture Gamma-Ray Spectroscopy) Proc,P363,Angell
- 2006BU04 NUCLEAR REACTIONS $^{139}\text{La}(\text{p}, \text{n})$, E=5.0, 6.0 MeV; measured $E\gamma$, $I\gamma$, neutron spectra, $\gamma\gamma$ -, γn -coin, DSA. $^{130}\text{Te}(^{12}\text{C}, 3\text{n})$, E=50.5 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{139}Ce deduced levels, J, π , $T_{1/2}$, B(M1), B(E2), configurations. GASP array, comparison with shell model predictions. JOUR ZAANE 27 301
- ^{139}Eu 2006XU03 RADIOACTIVITY $^{140}\text{Tb}, ^{141}\text{Dy}(\beta^+\text{p})$; [from $^{106}\text{Cd}(^{40}\text{Ca}, \text{xnp})$]; measured β -delayed Ep, Ip, $E\gamma$, $I\gamma$, (particle) γ -coin. $^{140}\text{Tb}, ^{141}\text{Dy}$ deduced $T_{1/2}$, decay branching ratios, J, π , deformation parameters, configurations. JOUR ZAANE 28 37

A=140

- ^{140}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
- ^{140}La 2006TEZZ NUCLEAR REACTIONS $^{139}\text{La}(\text{n}, \gamma)$, 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 $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -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 $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, $^{97,100,104}\text{Zr}$, ^{106}Mo , ^{148}Ce deduced levels $\text{T}_{1/2}$, 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

^{154}Sm	2006DE19	NUCLEAR REACTIONS $^{154}\text{Sm}(n, n'\gamma)$, E=fast; measured $E\gamma$, $I\gamma$. ^{154}Sm deduced levels, J, π , δ . JOUR PANUE 69 555
^{154}Eu	2006AGZZ	NUCLEAR REACTIONS $^{151,153}\text{Eu}(n, \gamma)$, E \approx 0.1-0.7 eV; measured capture $E\gamma$, $I\gamma$. $^{152,154}\text{Eu}$ 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

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

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

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

A=159

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

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

A=170

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

A=171

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|-------------------|----------|--|
| ^{171}Lu | 2006HE14 | NUCLEAR REACTIONS $\text{Yb}(\text{d}, \text{xn})^{170}\text{Lu} / ^{171}\text{Lu} / ^{172}\text{Lu} / ^{173}\text{Lu} / ^{174}\text{Lu} / ^{177}\text{Lu}$, $E \approx 3\text{-}20$ MeV; $\text{Yb}(\text{d}, \text{xnp})^{169}\text{Yb} / ^{175}\text{Yb}$, $E \approx 3\text{-}20$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223 |
| ^{171}Ta | 2006ZH09 | NUCLEAR REACTIONS $^{157}\text{Gd}(^{19}\text{F}, 5\text{n})$, $E=105$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{171}Ta 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

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|-------------------|----------|--|
| ^{172}Lu | 2006HE14 | NUCLEAR REACTIONS $\text{Yb}(\text{d}, \text{xn})^{170}\text{Lu} / ^{171}\text{Lu} / ^{172}\text{Lu} / ^{173}\text{Lu} / ^{174}\text{Lu} / ^{177}\text{Lu}$, $E \approx 3\text{-}20$ MeV; $\text{Yb}(\text{d}, \text{xnp})^{169}\text{Yb} / ^{175}\text{Yb}$, $E \approx 3\text{-}20$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223 |
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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 $^{92}\text{Mo}(^{90}\text{Zr}, n)$ and subsequent decay]; measured E α , $\alpha\alpha$ -, $\alpha\gamma$ -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 $^{128}\text{Te}(^{50}\text{Ti}, 4n)$, E=215, 225 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -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
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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

^{177}Lu	2006HE14	NUCLEAR REACTIONS $\text{Yb}(\text{d}, \text{xn})^{170}\text{Lu} / ^{171}\text{Lu} / ^{172}\text{Lu} / ^{173}\text{Lu} / ^{174}\text{Lu} / ^{177}\text{Lu}$, $E \approx 3\text{-}20$ MeV; $\text{Yb}(\text{d}, \text{xnp})^{169}\text{Yb} / ^{175}\text{Yb}$, $E \approx 3\text{-}20$ MeV; measured production σ ; deduced thick-target yields. Stacked-foil activation technique. JOUR NIMBE 247 223
^{177}Hf	2006WI11	NUCLEAR REACTIONS $^{176,177,178,179,180}\text{Hf}(\text{n}, \gamma)$, $E=3\text{-}225$ keV; measured $E\gamma$, $I\gamma$, capture σ ; deduced Maxwellian-averaged σ . Astrophysical implications discussed. JOUR PRVCA 73 045807
^{177}Hg	2005CAZV	RADIOACTIVITY ^{181}Pb , $^{177}\text{Hg}(\alpha)$ [from $^{92}\text{Mo}(^{90}\text{Zr}, \text{n})$ 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=178

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

A=179

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

A=180

^{180}Hf	2006WI11	NUCLEAR REACTIONS $^{176,177,178,179,180}\text{Hf}(\text{n}, \gamma)$, $E=3\text{-}225$ keV; measured $E\gamma$, $I\gamma$, capture σ ; deduced Maxwellian-averaged σ . Astrophysical implications discussed. JOUR PRVCA 73 045807
^{180}Ta	2006G017	NUCLEAR REACTIONS $^{181}\text{Ta}(\gamma, \text{n})$, $E=9.2\text{-}12.3$ 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 $^{27}\text{Al}(\text{d}, \text{X})^{22}\text{Na} / ^{24}\text{Na}$, $E \approx 20\text{-}40$ MeV; $\text{Fe}(\text{d}, \text{X})^{55}\text{Co} / ^{56}\text{Co}$, $E \approx 20\text{-}40$ MeV; $\text{Cu}(\text{d}, \text{X})^{61}\text{Cu} / ^{62}\text{Zn}$, $E \approx 20\text{-}40$ MeV; $\text{Ta}(\text{d}, \text{X})^{178}\text{Ta} / ^{180}\text{Ta}$, $E \approx 20\text{-}40$ MeV; $\text{W}(\text{d}, \text{X})^{181}\text{Re} / ^{183}\text{Re}$, $E \approx 20\text{-}40$ MeV; measured activation σ . JOUR NIMAE 562 785

A=181

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

A=182

No references found

A=183

¹⁸³ W	2005SU29	NUCLEAR REACTIONS ^{182,183,184,186} W(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸³ W deduced two-quantum cascade intensities, level densities, radiative strength functions. JOUR BRSPE 69 734
¹⁸³ Re	2006NA19	NUCLEAR REACTIONS ²⁷ Al(d, X) ²² Na / ²⁴ Na, E \approx 20-40 MeV; Fe(d, X) ⁵⁵ Co / ⁵⁶ Co, E \approx 20-40 MeV; Cu(d, X) ⁶¹ Cu / ⁶² Zn, E \approx 20-40 MeV; Ta(d, X) ¹⁷⁸ Ta / ¹⁸⁰ Ta, E \approx 20-40 MeV; W(d, X) ¹⁸¹ Re / ¹⁸³ Re, E \approx 20-40 MeV; measured activation σ . JOUR NIMAE 562 785
¹⁸³ Tl	2006AN11	RADIOACTIVITY ¹⁸⁷ Po, ^{187,187m} Bi, ^{183m} Tl(α) [from ¹⁴⁴ Sm(⁴⁶ Ti, xnyp) and subsequent decay]; measured E γ , E α , T _{1/2} ; deduced hindrance factors. ¹⁸⁷ Po, ¹⁸³ Pb, ¹⁸⁷ Bi, ¹⁸³ Tl deduced levels, J, π , configurations, deformation. JOUR PRVCA 73 044324
¹⁸³ Pb	2006AN11	RADIOACTIVITY ¹⁸⁷ Po, ^{187,187m} Bi, ^{183m} Tl(α) [from ¹⁴⁴ Sm(⁴⁶ Ti, xnyp) and subsequent decay]; measured E γ , E α , T _{1/2} ; deduced hindrance factors. ¹⁸⁷ Po, ¹⁸³ Pb, ¹⁸⁷ Bi, ¹⁸³ Tl 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 $\text{Ir}(\text{d}, \text{xn})^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{193\text{m}}\text{Pt}$, $E \approx 1\text{-}38\text{ MeV}$; $\text{Ir}(\text{d}, \text{X})^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{194}\text{Ir} / ^{194\text{m}}\text{Ir}$, $E \approx 1\text{-}38\text{ MeV}$; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210
^{189}Pt	2006TA14	NUCLEAR REACTIONS $\text{Ir}(\text{d}, \text{xn})^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{193\text{m}}\text{Pt}$, $E \approx 1\text{-}38\text{ MeV}$; $\text{Ir}(\text{d}, \text{X})^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{194}\text{Ir} / ^{194\text{m}}\text{Ir}$, $E \approx 1\text{-}38\text{ MeV}$; measured production σ . Stacked-foil activation technique. JOUR NIMBE 247 210

A=190

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

A=191

^{191}Pt	2006TA14	NUCLEAR REACTIONS $\text{Ir}(\text{d}, \text{xn})^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{193\text{m}}\text{Pt}$, $E \approx 1\text{-}38\text{ MeV}$; $\text{Ir}(\text{d}, \text{X})^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{194}\text{Ir} / ^{194\text{m}}\text{Ir}$, $E \approx 1\text{-}38\text{ MeV}$; 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 $^{192}\text{Os}(^{82}\text{Se}, ^{80}\text{Se})$, $(^{82}\text{Se}, ^{82}\text{Se}')$, $(^{82}\text{Se}, ^{84}\text{Se})$, $E=460\text{ MeV}$; 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) ¹⁸⁸ Pt / ¹⁸⁹ Pt / ¹⁹¹ Pt / ^{193m} Pt, E ≈ 1-38 MeV; Ir(d, X) ¹⁸⁹ Ir / ¹⁹⁰ Ir / ¹⁹² Ir / ¹⁹⁴ Ir / ^{194m} Ir, E ≈ 1-38 MeV; measured production σ. Stacked-foil activation technique. JOUR NIMBE 247 210
	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 ≈ 40-2600 MeV; measured excitation functions. Comparison with previous results and model predictions. JOUR NIMAE 562 801
¹⁹² Pt	2005KU42	RADIOACTIVITY ¹⁸¹ Hf(β ⁻); ¹⁶⁹ Yb(EC); ¹⁵² Eu, ¹⁹² Ir(EC), (β ⁻); measured E _γ , I _γ . ¹⁸¹ Ta deduced levels, J, π. JOUR BRSPE 69 722

A=193

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

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

A=195

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

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

- 2006TI06 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(\text{p}, \text{X})^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / $^{101\text{m}}\text{Rh}$ / ^{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 / $^{195\text{m}}\text{Hg}$ / ^{197}Hg / $^{197\text{m}}\text{Hg}$ / ^{196}Au / $^{196\text{m}}\text{Au}$, $E=18\text{-}35$ MeV; Pt(α , xn) ^{197}Hg / $^{197\text{m}}\text{Hg}$, $E=17\text{-}26$ MeV; $^{197}\text{Au}(\text{p}, \text{n})$, $E=6\text{-}20$ MeV; measured σ , isomer production ratios. Stacked-foil activation, comparison with model predictions. JOUR PRVCA 73 034613

A=198

- ^{198}Au 2006KRZX NUCLEAR REACTIONS $^{197}\text{Au}(\text{n}, \gamma)$, $E=\text{thermal}$, 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 , $^{209}\text{Bi}(\text{p}, \text{X})^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / $^{101\text{m}}\text{Rh}$ / ^{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 , $^{121,122}\text{Sb}$, $^{130}\text{Te}(\text{p}, \text{n})$, $E \approx 4\text{-}20$ MeV; $^{63,65}\text{Cu}$, ^{93}Nb , $^{121,123}\text{Sb}$, $^{197}\text{Au}(\alpha, \text{n})$, $E \approx 5\text{-}45$ MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR NIMAE 562 717
- 2006TI06 NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(\text{p}, \text{X})^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / $^{101\text{m}}\text{Rh}$ / ^{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 \approx 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 E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84,Vasiliev

2006BEZZ NUCLEAR REACTIONS ²⁰⁶Pb(n, γ), E=cold; measured E γ , I γ . ²⁰⁷Pb deduced transition intensities. ^{127,129}I(n, γ), E=cold; measured E γ ; 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 E γ , I γ , $\gamma\gamma$ -coin. ⁴⁴Ca, ^{207,208,209}Pb deduced transition intensities. REPT JINR-P13-2005-84,Vasiliev

A=208

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

A=209

^{209}Tl	2005VAZY	RADIOACTIVITY $^{208,209}\text{Tl}(\beta^-)$; ^{44}Sc , $^{207}\text{Bi}(\text{EC})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{44}Ca , $^{207,208,209}\text{Pb}$ deduced transition intensities. REPT JINR-P13-2005-84,Vasiliev
^{209}Pb	2005VAZY	RADIOACTIVITY $^{208,209}\text{Tl}(\beta^-)$; ^{44}Sc , $^{207}\text{Bi}(\text{EC})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{44}Ca , $^{207,208,209}\text{Pb}$ deduced transition intensities. REPT JINR-P13-2005-84,Vasiliev
^{209}Bi	2006LI17	NUCLEAR REACTIONS $^{208}\text{Pb}(p, \gamma)$, $E=14.8, 15.7, 16.9$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. Afrodite array. Comparison with model predictions. JOUR PRVCA 73 044609
	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=210

^{210}Po	2006PE10	NUCLEAR REACTIONS $^{206}\text{Pb}(^6\text{He}, 2n)$, $E(\text{cm}) \approx 10\text{-}25$ MeV; measured production σ ; deduced sequential fusion mechanism for sub-barrier enhancement. JOUR PRLTA 96 162701
^{210}Ra	2006HA17	RADIOACTIVITY $^{210,211,212}\text{Ra}(\text{IT})$ [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
^{210}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=211

^{211}Ra	2006HA17	RADIOACTIVITY $^{210,211,212}\text{Ra}(\text{IT})$ [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 $^{210,211,212}\text{Ra}(\text{IT})$ [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
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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
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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
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A=215

No references found

A=216

No references found

A=217

^{217}Fr	2006H003	NUCLEAR REACTIONS $^{207,208}\text{Pb}$, $^{209}\text{Bi}(^{18}\text{O}, 2\text{n}\alpha)$, $(^{18}\text{O}, 3\text{n}\alpha)$, $(^{18}\text{O}, \text{n}2\alpha)$, ^{208}Pb , $^{209}\text{Bi}(^{18}\text{O}, 2\text{n}2\alpha)$, $E \approx 90\text{-}94$ 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
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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
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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 $^{232}\text{Th}(\gamma, 2np)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. JOUR KKYHB 38 25
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A=226

No references found

A=227

No references found

A=228

No references found

A=229

^{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

^{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
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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

^{239}Bk 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=240

No references found

A=241

No references found

A=242

No references found

A=243

^{243}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

A=244

^{244}Am 2006CAZZ NUCLEAR REACTIONS ^{237}Np , ^{240}Pu , $^{243}\text{Am}(n, \gamma)$, $E < 1$ 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

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

- ^{252}Cf 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
- 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

A=253

- ^{253}Es 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 BRSPE 69 821

A=254

No references found

A=255

- ^{255}Fm 2005BB14 NUCLEAR MOMENTS ^{255}Fm ; measured hfs. Resonance ionization spectroscopy. JOUR HYIND 162 3
- 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 BRSPE 69 821
- ^{255}Lr 2006AN13 NUCLEAR REACTIONS $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{48}\text{Ca}, \text{xn})$, $E \approx 5 \text{ MeV}$ / nucleon; measured delayed $E\gamma$, $E\alpha$, $\alpha\gamma$ -coin; deduced evidence for $^{246,247}\text{Md}$, ^{255}Lr . $^{208}\text{Pb}(^{54}\text{Cr}, \text{n})$, $(^{54}\text{Cr}, 2\text{n})$, $E^* \approx 12\text{-}35 \text{ MeV}$; 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=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

References

- 2003BE77 B.L.Berman, for the CLAS Collaboration - Mod.Phys.Lett. A 18, 225 (2003)
Photoreactions on ^3He and ^4He up to 1.6 GeV at Jefferson Lab
- 2003BL21 B.Blank, J.Giovinazzo, M.Pfutzner - C.R.Physique 4, 521 (2003)
First observation of two-proton radioactivity from an atomic nucleus
- 2003GI16 R.Gilman - Mod.Phys.Lett. A 18, 286 (2003)
Polarization measurements in π^0 photoproduction from the proton
- 2003IS19 T.Ishida, T.Yagita, S.Ochi, S.Nozone, K.Tsuruta, F.Nakamura, H.G.P.G.Schieck, K.Sagara - Mod.Phys.Lett. A 18, 436 (2003)
Search for space star anomaly in pd breakup reaction at 13MeV
- 2003MB06 Y.Maeda, H.Sakai, A.Tamii, S.Sakoda, H.Kato, M.Hatano, T.Saito, N.Uchigashima, H.Kuboki, K.Hatanaka, D.Hirooka, Y.Shimizu, Y.Kitamura, K.Fujita, N.Sakamoto, H.Okamura, K.Suda, T.Ikeda, K.Itoh, Y.Sakemi, T.Wakasa, J.Kamiya, K.Yako, K.Sekiguchi, Y.Sato, M.B.Greenfield, J.Rapaport, H.Kamada - Mod.Phys.Lett. A 18, 298 (2003)
Measurement of differential cross sections and vector analyzing powers for the (n(pol))d reaction at 250 MeV
- 2003SA69 A.Saha, for the Jefferson Lab Hall A Collaboration - Mod.Phys.Lett. A 18, 235 (2003)
Detailed study of the few nucleon systems at Jefferson Lab
- 2003SA70 T.Saito, M.Hatano, H.Kato, Y.Maeda, H.Sakai, S.Sakoda, A.Tamii, N.Uchigashima, V.P.Ladygin, A.Yu.Isupov, N.B.Ladygina, A.I.Malakhov, S.G.Reznikov, T.Uesaka, K.Yako, T.Ohnishi, N.Sakamoto, K.Sekiguchi, H.Kumasaka, J.Nishikawa, H.Okamura, K.Suda, R.Suzuki - Mod.Phys.Lett. A 18, 294 (2003)
Measurement of the analyzing powers for the (d(pol))d \rightarrow ^3He n and (d(pol))d \rightarrow ^3H p reactions at intermediate energies
- 2003SE18 K.Sekiguchi, H.Sakai, H.Okamura, A.Tamii, T.Uesaka, K.Suda, N.Sakamoto, T.Wakasa, Y.Satou, T.Ohnishi, K.Yako, S.Sakoda, H.Kato, Y.Maeda, M.Hatano, J.Nishikawa, S.Saito, N.Uchigashima, N.Kalantar-Nayestanaki, K.Ermisch - Mod.Phys.Lett. A 18, 327 (2003)
Polarization transfer measurement for d-p elastic scattering: to search for three nucleon force effects
- 2003SH45 Y.Shimizu, K.Hatanaka, Y.Sakemi, T.Wakasa, H.P.Yoshida, J.Kamiya, T.Saito, H.Sakai, A.Tamii, K.Sekiguchi, K.Yako, Y.Maeda, T.Noro, K.Sagara, V.P.Ladygin - Mod.Phys.Lett. A 18, 313 (2003)
Three-body effects (p(pol))d elastic scattering at 250 MeV
- 2003TA40 H.Tamura, and the BNL E930 Collaboration - Mod.Phys.Lett. A 18, 85 (2003)
Gamma spectroscopy of p-shell hypernuclei and ΛN spin-dependent interactions-report of BNL E930

REFERENCES

- 2003TA41 L.Tang, for the Jefferson Lab E89-009 Collaboration - Mod.Phys.Lett. A 18, 112 (2003)
First experiment to produce Λ -hypernuclei using electron beam at JLAB
- 2003TA43 A.Tamii, N.Uchigashima, H.Sakai, M.Hatano, Y.Maeda, T.Saito, T.Ishida, H.Kuboki, K.Hatanaka, T.Wakasa, J.Kamiya, Y.Shimizu, Y.Kitamura, H.Okamura, K.Suda, K.Yako, K.Sekiguchi, Y.Satou - Mod.Phys.Lett. A 18, 440 (2003)
Measurement of p+d elastic scattering at $E_p=392$ MeV
- 2003T032 W.Tornow, E.M.Neidel, D.E.Gonzalez Trotter, C.R.Howell, A.S.Crowell, R.A.Macri, R.L.Walter, G.J.Weisel, J.Esterline, H.Witala, B.J.Crowe III, R.S.Pedroni, D.M.Markoff - Mod.Phys.Lett. A 18, 258 (2003)
Electromagnetic effects and the long-standing three-nucleon analyzing power puzzle
- 2003T033 W.Tornow, N.G.Czakon, C.R.Howell, A.Hutcheson, J.H.Kelley, V.N.Litvinenko, S.Mikhailov, I.V.Pinayev, G.J.Weisel, H.Witala - Mod.Phys.Lett. A 18, 282 (2003)
Analyzing power for the photodisintegration of the deuteron between $E_\gamma = 2.4$ and 4.0 MeV
- 2003YA23 T.Yagita, K.Sagara, T.Ishida, S.Minami, K.Tsuruta, T.Noro, J.Kamiya, T.Wakasa, H.Yoshida, M.Yoshimura, K.Hatanaka, H.Akiyoshi - Mod.Phys.Lett. A 18, 322 (2003)
Tensor anomaly in pd radiative capture
- 2003ZH49 H.Y.Zhang, W.Q.Shen, Y.G.Ma, X.Z.Cai, D.Q.Fang, C.Zhong, Y.B.Wei, J.G.Chen, X.F.Zhou, G.L.Ma, K.Wang, Z.Z.Ren, W.L.Zhan, Z.Y.Guo, G.Q.Xiao, H.S.Xu, J.S.Wang, Z.Y.Sun, H.X.Li, M.Wang, Z.Q.Chen, Z.G.Xiao, W.F.Li, J.F.Li, Z.G.Hu, J.Bai, L.X.Chen - Mod.Phys.Lett. A 18, 151 (2003)
Possible exotic structure in light proton-rich nuclei
- 2004CH68 C.Chardonnet, M.-L.Palma, C.J.Borde - C.R.Physique 5, 171 (2004)
The spin-vibration hyperfine interaction in the ν_3 band of $^{189}\text{OsO}_4$ and $^{187}\text{OsO}_4$: a calculable example in high-resolution molecular spectroscopy
- 2004KAZR T.Kautzsch - Thesis, Univ.Johannes Gutenberg, Mainz (2004)
Gamma-Spektroskopie an neutronenreichen Silber-Isotopen
- 2005BB14 H.Backe, A.Dretzke, St.Fritzsche, R.G.Haire, P.Kunz, W.Lauth, M.Sewtz, N.Trautmann - Hyperfine Interactions 162, 3 (2005)
Laser Spectroscopic Investigation of the Element Fermium ($Z = 100$)
- 2005BE77 O.A.Bessheiko, I.N.Vishnevsky, V.A.Zheltonozhsky, I.N.Kadenko, V.M.Mazur, V.A.Plyujko, N.V.Strilchuk - Bull.Rus.Acad.Sci.Phys. 69, 745 (2005)
Isomeric ratios and mean angular momenta for ^{238}U and ^{237}Np photofission products
- 2005BE78 O.A.Bessheiko, I.N.Vishnevsky, V.A.Zheltonozhsky, I.N.Kadenko, V.M.Mazur, V.A.Plyujko, N.V.Strilchuk - Bull.Rus.Acad.Sci.Phys. 69, 750 (2005)
Study of isomeric ratios in (γn) and (γp) reactions on $^{120,122m,g}\text{Sb}$ and $^{117m,g}\text{In}$ nuclei

REFERENCES

- 2005BI28 J.Billowes - Hyperfine Interactions 162, 63 (2005)
Laser Spectroscopy Programme at the Jyvaskyla IGISOL
- 2005BL33 K.Blaum, W.Geithner, J.Lassen, P.Lievens, K.Marinova, R.Neugart - Hyperfine Interactions 162, 101 (2005)
Charged Radii of Argon Isotopes in the $f_{7/2}$ Shell and Radii Systematics in the Ca-Region
- 2005BL34 K.Blaum, D.Beck, G.Bollen, P.Delahaye, C.Guenaut, F.Herfurth, A.Kellerbauer, H.-J.Kluge, U.Koster, D.Lunney, S.Schwarz, L.Schweikhard, C.Yazidjian - Hyperfine Interactions 162, 173 (2005)
Laser Ionization and Penning Trap Mass Spectrometry - A Fruitful Combination for Isomer Separation and High-precision Mass Measurements
- 2005CAZU M.P.Carpenter, F.G.Kondev, R.V.F.Janssens, I.Ahmad, C.N.Davids, N.J.Hammond, T.L.Khoo, T.Lauritsen, C.J.Lister, G.Mukherjee, D.Seweryniak, S.Sinha, D.G.Jenkins, P.Raddon, R.Wadsworth, S.J.Freeman, S.M.Fischer, G.Jones, A.J.Larabee, A.Liechty - ANL-05/61 (Physics Division Ann.Rept., 2004), p.53 (2005)
Level Structure of ^{181}Tl
- 2005CAZV M.P.Carpenter, F.G.Kondev, R.V.F.Janssens, I.Ahmad, C.N.Davids, N.J.Hammond, T.L.Khoo, T.Lauritsen, C.J.Lister, G.Mukherjee, D.Seweryniak, S.Sinha, D.G.Jenkins, P.Raddon, R.Wadsworth, S.J.Freeman, S.M.Fischer, G.Jones, A.J.Larabee, A.Liechty - ANL-05/61 (Physics Division Ann.Rept., 2004), p.53 (2005)
Alpha Decay of ^{181}Pb
- 2005FU18 K.Furutaka, H.Harada, S.Nakamura, T.Katoh, T.Fujii, H.Yamana, S.Raman - J.Nucl.Radiochem.Sci. 6, 283 (2005)
Cross Section of Thermal-Neutron Capture Reaction by ^{99}Tc
- 2005GA61 Yu.P.Gangrsky, K.Gladnishki, V.I.Zhemenik, G.V.Myshinsky, Yu.E.Penionzhkevich, E.A.Sokol - Bull.Rus.Acad.Sci.Phys. 69, 714 (2005)
Detection of β -delayed two-neutron emission from ^{238}U photofission fragments
- 2005G047 O.K.Gorpinich, O.M.Povoroznyk, A.A.Yachmenev - Bull.Rus.Acad.Sci.Phys. 69, 838 (2005)
First excited state of ^5He nucleus
- 2005G048 O.K.Gorpinich, O.M.Povoroznyk, A.A.Yachmenev - Bull.Rus.Acad.Sci.Phys. 69, 841 (2005)
Structure of highly excited states of ^5He nucleus
- 2005GU40 G.M.Gurevich, A.L.Erzinkyan, P.-D.Eversheim, V.T.Filimonov, V.Golovko, P.Herzog, I.Kraev, A.A.Lukhanin, A.A.Belyaev, V.I.Noga, V.P.Parfenova, T.Phalet, A.V.Rusakov, N.Severijns, Yu.G.Toporov, V.N.Vyachin, D.Zakoucki - Bull.Rus.Acad.Sci.Phys. 69, 821 (2005)
Angular distributions of α -particles emitted by oriented ^{253}Es and ^{255}Fm nuclei

REFERENCES

- 2005HAZJ R.Hashimoto, T.Tamae, T.Fujibayashi, O.Hashimoto, K.Hirose, T.Ishikawa, H.Kanda, O.Konno, K.Maeda, H.Miyase, S.N.Nakamura, M.Nanao, I.Nishikawa, T.Otsuki, T.Saito, Y.Sato, K.Takahashi, H.Tamura, H.Tsubota, M.Wakamatsu, H.Yamazaki, H.Yuki - Res.Rep.Lab.Nucl.Sci., Tohoku Univ. 38, 18 (2005)
Comparison of the $^{40}\text{Ca}(e, e'p)$ Cross Section at Low Momentum Transfer Region with Relativistic Calculations
- 2005KAZT Y.Kasamatsu, H.Kikunaga, K.Nakashima, K.Takamiya, T.Mitsugashira, T.Nakanishi, T.Ohtsuki, H.Yuki, W.Sato, A.Shinohara - Res.Rep.Lab.Nucl.Sci., Tohoku Univ. 38, 32 (2005)
Search for the Decay of ^{229m}Th by Photon Detection
- 2005KIZR H.Kikunaga, Y.Kasamatsu, K.Takamiya, T.Mitsugashira, M.Hara, T.Ohtsuki, H.Yuki, A.Shinohara, S.Shibata, N.Kinoshita, A.Yokoyama, T.Nakanishi - Res.Rep.Lab.Nucl.Sci., Tohoku Univ. 38, 25 (2005)
Observation of α -decay of ^{229m}Th produced from ^{229}Ac
- 2005K050 M.Kowalska, for the IS 427 Collaboration at ISOLDE / CERN - Hyperfine Interactions 162, 109 (2005)
Laser Spectroscopy and β -NMR Measurements of Short-Lived Mg Isotopes
- 2005KU42 V.T.Kupryashkin, A.P.Lashko, T.N.Lashko, A.I.Feoktistov - Bull.Rus.Acad.Sci.Phys. 69, 722 (2005)
Energies of γ -transitions and ^{181}Ta levels in ^{181}Hf decay
- 2005LIZX C.J.Lister, M.P.Carpenter, D.Seweryniak, C.Davids, M.A.Bentley, G.Hammond, D.D.Warner, J.Simpson, R.C.Lemmon, D.Rudolph, J.Ekman, C.Fahlander, L.-L.Andersson, E.Johansson, A.M.Bruce, D.Judson, M.J.Taylor, W.Gelletly, S.J.Williams - ANL-05/61 (Physics Division Ann.Rept., 2004), p.44 (2005)
High Spin States in the $N = Z-3$ Nucleus ^{49}Fe : Coulomb Effects at Large Proton Excess
- 2005N016 W.Nortershauser, A.Dax, G.Ewald, S.Gotte, R.Kirchner, H.-J.Kluge, T.Kuhl, R.Sanchez, A.Wojtaszek, B.A.Bushaw, G.W.F.Drake, Z.-C.Yan, C.Zimmermann - Hyperfine Interactions 162, 93 (2005)
First Measurement of the Nuclear Charge Radii of Short-Lived Lithium Isotopes
- 2005OHZW T.Ohtsuki, Y.Yuki, M.Muto, J.Kasagi, K.Ohno - Res.Rep.Lab.Nucl.Sci., Tohoku Univ. 38, 36 (2005)
Life-time measurement of ^7Be in beryllium metal
- 2005RY07 A.I.Rykov, I.A.Rykov, K.Nomura, X.Zhang - Hyperfine Interactions 163, 29 (2005)
Frequency Spectra of Quantum Beats in Nuclear Forward Scattering of ^{57}Fe : The Mossbauer Spectroscopy with Superior Energy Resolution
- 2005SEZU D.Seweryniak, M.P.Carpenter, R.V.F.Janssens, C.J.Lister, S.Zhu, P.J.Woods, D.Jenkins - ANL-05/61 (Physics Division Ann.Rept., 2004), p.8 (2005)
In-Beam Spectroscopy Above the Proton Threshold in ^{27}Si and the Production of ^{26}Al in Novae

REFERENCES

- 2005SIZX S.Sinha, J.P.Greene, D.Henderson, R.V.F.Janssens, C.L.Jiang, E.F.Moore, R.C.Pardo, K.E.Rehm, J.P.Schiffer, X.D.Tang, A.Chen, R.E.Segel, L.Jisonna, R.H.Siemssen, A.H.Wuosmaa - ANL-05/61 (Physics Division Ann.Rept., 2004), p.6 (2005)
 $^{18}\text{Ne}(\alpha, p)^{21}\text{Na}$, a Possible Breakout Reaction from the Hot CNO Cycle to the rp Process
- 2005SU28 A.M.Sukhovi, V.A.Khitrov, C.Li, V.A.Plyujko - Bull.Rus.Acad.Sci.Phys. 69, 727 (2005)
 Nuclear level density and radiative strength functions of cascade γ -transitions in decay of ^{114}Cd and ^{124}Te compound states
- 2005SU29 A.M.Sukhovi, V.A.Khitrov, V.A.Bondarenko, J.Honzatko, I.Tomandl - Bull.Rus.Acad.Sci.Phys. 69, 734 (2005)
 Cascade γ -decay of ^{183}W compound state: possibilities of developing new methods for experimental study of heavy-nucleus properties below B_n
- 2005TAZR X.D.Tang, K.E.Rehm, I.Ahmad, J.P.Greene, A.Hecht, D.Henderson, R.V.F.Janssens, C.L.Jiang, E.F.Moore, M.Notani, R.C.Pardo, G.Savard, J.P.Schiffer, S.Sinha, M.Paul, L.Jisonna, R.E.Segel, A.Champagne, A.Wuosmaa - ANL-05/61 (Physics Division Ann.Rept., 2004), p.4 (2005)
 Results from the First ^{16}N Decay Experiment
- 2005VAZY S.I.Vasiliev, K.Ya.Gromov, A.A.Klimenko, Zh.K.Samatov, A.A.Smolnikov, V.I.Fominykh, V.G.Chumin - JINR-P13-2005-84 (2005)
 Coincidence Summing in γ -Ray Spectra-2. Intensity Determination of Weak Crossover γ Transitions
- 2005WAZR Y.Wang, H.Sharma, G.Savard, A.Levand, K.S.Sharma, J.Wang, Z.Zhou - ANL-05/61 (Physics Division Ann.Rept., 2004), p.22 (2005)
 Precise Mass Measurement of Light Fission Fragments from ^{252}Cf Source
- 2006AB11 J.N.Abdurashitov, V.N.Gavrin, S.V.Girin, V.V.Gorbachev, P.P.Gurkina, T.V.Ibragimova, A.V.Kalikhov, N.G.Khairnasov, T.V.Knodel, V.A.Matveev, I.N.Mirmov, A.A.Shikhin, E.P.Veretenkin, V.M.Vermul, V.E.Yants, G.T.Zatsepin, T.J.Bowles, S.R.Elliott, W.A.Teasdale, B.T.Cleveland, W.C.Haxton, J.F.Wilkerson, J.S.Nico, A.Suzuki, K.Lande, Yu.S.Khomyakov, V.M.Poplavsky, V.V.Popov, O.V.Mishin, A.N.Petrov, B.A.Vasiliev, S.A.Voronov, A.I.Karpenko, V.V.Maltsev, N.N.Oshkanov, A.M.Tuchkov, V.I.Barsanov, A.A.Janelidze, A.V.Korenkova, N.A.Kotelnikov, S.Yu.Markov, V.V.Selin, Z.N.Shakirov, A.A.Zamyatina, S.B.Zlokazov - Phys.Rev. C 73, 045805 (2006)
 Measurement of the response of a Ga solar neutrino experiment to neutrinos from a ^{37}Ar source
- 2006AB17 J.N.Abdurashitov, T.J.Bowles, C.Cattadori, B.T.Cleveland, S.R.Elliott, N.Ferrari, V.N.Gavrin, S.V.Girin, V.V.Gorbachev, P.P.Gurkina, W.Hampel, T.V.Ibragimova, F.Kaether, A.V.Kalikhov, N.G.Khairnasov, T.V.Knodel, I.N.Mirmov, L.Pandola, H.Richter, A.A.Shikhin, W.A.Teasdale, E.P.Veretenkin, V.M.Vermul, J.F.Wilkerson, V.E.Yants, G.T.Zatsepin - Astropart.Phys. 25, 349 (2006)

REFERENCES

- The BNO-LNGS joint measurement of the solar neutrino capture rate in ^{71}Ga
- 2006AC04 N.L.Achouri, F.de Oliveira Santos, M.Lewitowicz, B.Blank, J.Aysto, G.Canchel, S.Czajkowski, P.Dendooven, A.Emsallem, J.Giovinazzo, N.Guillet, A.Jokinen, A.M.Laird, C.Longour, K.Perajarvi, N.Smirnova, M.Stanoiu, J.-C.Thomas - Eur.Phys.J. A 27, 287 (2006)
The β -decay of ^{22}Al
- 2006AD16 J.Adam, A.Balabekyan, V.Bradnova, R.Brandt, V.M.Golovatyuk, K.Katovsky, M.I.Krivopustov, V.G.Kalinnikov, R.Odoj, V.S.Pronskikh, H.Robotham, K.Siemon, A.A.Solnyshkin, V.I.Stegailov, V.M.Tsoupko-Sitnikov, N.M.Vladimirova, W.Westmeier - Nucl.Instrum.Methods Phys.Res. A562, 741 (2006)
Transmutation studies with GAMMA-2 setup using relativistic proton beams of the JINR Nuclotron
- 2006AE01 G.Aerts, and the n_TOF Collaboration - Phys.Rev. C 73, 054610 (2006)
Neutron capture cross section of ^{232}Th measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV
- 2006AGZZ U.Agvaanluvsan, A.Alpizar-Vicente, J.A.Becker, F.Becvar, T.A.Bredeweg, R.Clement, E.Esch, C.M.Folden III, R.Hatarik, R.C.Haight, D.C.Hoffman, M.Krticka, R.A.Macri, G.E.Mitchell, H.Nitsche, J.M.O'Donnell, W.Parker, R.Reifarth, R.S.Rundberg, J.M.Schwantes, S.A.Sheets, J.L.Ullmann, D.J.Vieira, J.B.Wilhelmy, P.Wilk, J.M.Wouters, C.Y.Wu - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.295 (2006); AIP Conf.Proc. 819 (2006)
The Radiative Strength Function Using the Neutron-Capture Reaction on $^{151,153}\text{Eu}$
- 2006AL07 M.Al-Abyad, I.Spahn, S.Sudar, M.Morsy, M.N.H.Comsan, J.Csikai, S.M.Qaim, H.H.Coenen - Appl.Radiat.Isot. 64, 717 (2006)
Nuclear data for production of the therapeutic radionuclides ^{32}P , ^{64}Cu , ^{67}Cu , ^{89}Sr , ^{90}Y and ^{153}Sm via the (n, p) reaction: Evaluation of excitation function and its validation via integral cross-section measurement using a 14 MeV d(Be) neutron source
- 2006ALZZ A.M.Alpizar-Vicente, T.A.Bredeweg, E.-I.Esch, U.Greife, R.C.Haight, R.Hatarik, J.M.O'Donnell, R.Reifarth, R.S.Rundberg, J.L.Ullmann, D.J.Vieira, J.B.Wilhelmy, J.M.Wouters - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.273 (2006); AIP Conf.Proc. 819 (2006)
Measurement of Neutron Capture Cross Section of ^{62}Ni in the keV-Region
- 2006AMZZ H.Amro, F.D.Becchetti, Yu.Chen, H.Jiang, M.Ojaruega, H.C.Griffin, J.J.Kolata, B.B.Skorodumov, J.D.Hinnefeld, G.Peaslee - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.557 (2006); AIP Conf.Proc. 819 (2006)
 α -stripping Reactions with Exotic Nuclei: $^{12}\text{C}(^7\text{Be}, ^3\text{He})^{16}\text{O}$

REFERENCES

- 2006AN10 K.A.Aniol, and the HAPPEX Collaboration - Phys.Lett. B 635, 275 (2006)
Constraints on the nucleon strange form factors at $Q^2 \sim 0.1 \text{ GeV}^2$
- 2006AN11 A.N.Andreyev, S.Antalic, D.Ackermann, S.Franchoo, F.P.Hessberger, S.Hofmann, M.Huyse, I.Kojouharov, B.Kindler, P.Kuusiniemi, S.R.Lesher, B.Lommel, R.Mann, G.Munzenberg, K.Nishio, R.D.Page, J.J.Ressler, B.Streicher, S.Saro, B.Sulignano, P.Van Duppen, D.Wiseman, R.Wyss - Phys.Rev. C 73, 044324 (2006)
 α -decay of the new isotope ^{187}Po : Probing prolate structures beyond the neutron mid-shell at $N = 104$
- 2006AN13 S.Antalic, B.Streicher, F.P.Hessberger, S.Hofmann, D.Ackerman, S.Saro, B.Sulignano - Acta Phys.Slovaca 56, 87 (2006)
Synthesis and properties of the heaviest elements
- 2006ANZY B.Anderson, and the Jefferson Lab E95-001 Collaboration - nucl-ex/0605006,5/9/2006 (2006)
Extraction of the Neutron Magnetic Form Factor from Quasi-elastic $^3\text{He}(\text{pol})(e(\text{pol}), e')$ at $Q^2 = 0.1 - 0.6 \text{ (GeV / c)}^2$
- 2006ANZZ C.T.Angell, H.J.Karwowski, J.H.Kelley, A.P.Tonchev, W.Tornow - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.363 (2006); AIP Conf.Proc. 819 (2006)
Photo-Induced Population of the $h_{11/2}$ Isomeric States in (γ, n) Reactions
- 2006AR06 R.Ardito, C.Arnaboldi, D.R.Artusa, F.T.Avignone III, M.Balata, I.Bandac, M.Barucci, J.W.Beeman, F.Bellini, C.Brofferio, C.Bucci, S.Capelli, F.Capozzi, L.Carbone, S.Cebrian, M.Clemenza, C.Cosmelli, O.Cremonesi, R.J.Creswick, I.Dafinei, A.de Waard, M.Diemoz, M.Dolinski, H.A.Farach, F.Ferroni, E.Fiorini, S.J.F.Freedman, G.Frossati, C.Gargiulo, A.Giuliani, P.Gorla, E.Guardincerri, T.D.Gutierrez, E.E.Haller, K.M.Heeger, I.G.Irastorza, E.Longo, R.Maruyama, S.Morganti, S.Nisi, C.Nones, E.B.Norman, A.Nucciotti, N.Xu, E.Olivieri, P.Ottonello, M.Pallavicini, E.Palmieri, M.Pavan, M.Pedretti, G.Pessina, S.Pirro, E.Previtali, L.Risegari, C.Rosenfeld, S.Sangiorgio, M.Sisti, A.R.Smith, L.Torres, G.Ventura, L.Zanotti - Prog.Part.Nucl.Phys. 57, 203 (2006)
The CUORICINO and CUORE double beta decay experiments
- 2006AS02 M.Assuncao, M.Fey, A.Lefebvre-Schuhl, J.Kiener, V.Tatischeff, J.W.Hammer, C.Beck, C.Boukari-Pelissie, A.Coc, J.J.Correia, S.Courtin, F.Fleurot, E.Galanopoulos, C.Grama, F.Haas, F.Hammache, F.Hannachi, S.Harissopoulos, A.Korichi, R.Kunz, D.LeDu, A.Lopez-Martens, D.Malcherek, R.Meunier, Th.Paradellis, M.Rousseau, N.Rowley, G.Staudt, S.Szilner, J.P.Thibaud, J.L.Weil - Phys.Rev. C 73, 055801 (2006)
E1 and E2 S factors of $^{12}\text{C}(\alpha, \gamma_0)^{16}\text{O}$ from γ -ray angular distributions with a 4π -detector array

REFERENCES

- 2006BA29 M.Bashkanov, D.Bogoslawsky, H.Calen, F.Cappellaro, H.Clement, L.Demiroers, C.Ekstrom, K.Fransson, J.Greiff, L.Gustafsson, B.Hoistad, G.Ivanov, M.Jacewicz, E.Jiganov, T.Johansson, O.Khakimova, M.M.Kaskulov, S.Keleta, I.Koch, F.Kren, S.Kullander, A.Kupsc, A.Kuznetsov, P.Marciniewski, R.Meier, B.Morosov, W.Oelert, C.Pauly, Y.Petukho, A.Povtorejko, R.J.M.Y.Ruber, W.Scobel, T.Skorodko, B.Shwartz, V.Sopov, J.Stepaniak, V.Tchernyshev, P.Thorngren-Engblom, V.Tikhomirov, A.Turowiecki, G.J.Wagner, M.Wolke, A.Yamamoto, J.Zabierowski, J.Zlomanczuk - Phys.Lett. B 637, 223 (2006)
Exclusive measurements of $pd \rightarrow {}^3\text{He} \pi\pi$: The ABC effect revisited
- 2006BAZV M.K.Bacrania, N.Boyd, D.W.Storm - Univ. Washington Nucl.Phys.Lab., Ann.Rept., 2006, p.49 (2006)
Completion of the measurement of ${}^8\text{B}$ beta decay
- 2006BAZX D.Bandyopadhyay, P.E.Garrett, S.R.Lesher, C.Fransen, N.Boukharouba, M.T.McEllistrem, S.W.Yates - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.559 (2006); AIP Conf.Proc. 819 (2006)
Structural Ambiguities In ${}^{114}\text{Cd}$
- 2006BE18 F.Becker, A.Petrovici, J.Iwanicki, N.Amzal, W.Korten, K.Hauschild, A.Hurstel, Ch.Theisen, P.A.Butler, R.A.Cunningham, T.Czosnyka, G.de France, J.Gerl, P.Greenlees, K.Helariutta, R.-D.Herzberg, P.Jones, R.Julin, S.Juutinen, H.Kankaanpaa, M.Muikku, P.Nieminen, O.Radu, P.Rahkila, Ch.Schlegel - Nucl.Phys. A770, 107 (2006)
Coulomb excitation of ${}^{78}\text{Kr}$
- 2006BE22 V.B.Belyaev, M.B.Miller, Yu.G.Sobolev, A.V.Sermyagin, I.V.Kuznetsov, E.Bialkowski - Few-Body Systems 38, 103 (2006)
Molecular-Nuclear Transition ${}^6\text{LiD} \rightarrow {}^8\text{Be}^*$: Search with a Paired ΔE -E Telescope
- 2006BEZY T.Belgya - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.565 (2006); AIP Conf.Proc. 819 (2006)
New method for the determination of accurate gamma-ray intensities for the ${}^{14}\text{N}(n, \gamma){}^{15}\text{N}$ high energy standard
- 2006BEZZ T.Belgya, Zs.Revay, L.Szentmiklosi - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.300 (2006); AIP Conf.Proc. 819 (2006)
Determination of Thermal Neutron Capture Cross Sections Using Cold Neutron Beams at the Budapest PGAA and NIPS Facilities
- 2006BH03 M.Bhattacharya, E.G.Adelberger, H.E.Swanson - Phys.Rev. C 73, 055802 (2006)
Precise study of the final-state continua in ${}^8\text{Li}$ and ${}^8\text{B}$ decays
- 2006B010 H.G.Borner, P.Mutti, M.Jentschel, N.V.Zamfir, R.F.Casten, E.A.McCutchan, R.Krucken - Phys.Rev. C 73, 034314 (2006)
Low-energy phonon structure of ${}^{150}\text{Sm}$

REFERENCES

- 2006B011 G.Bollen, D.Davies, M.Facina, J.Huikari, E.Kwan, P.A.Lofy, D.J.Morrissey, A.Prinke, R.Ringle, J.Savory, P.Schury, S.Schwarz, C.Sumithrarachchi, T.Sun, L.Weissman - Phys.Rev.Lett. 96, 152501 (2006)
Experiments with Thermalized Rare Isotope Beams from Projectile Fragmentation: A Precision Mass Measurement of the Superalloyed β Emitter ^{38}Ca
- 2006B0ZZ C.Bordeanu, A.Garcia, J.C.Hardy, V.E.Iacob, D.Melconian, N.Nica, H.I.Park, G.Tabacaru, L.Trache, S.Triambak, R.E.Tribble, Y.Zhai - Univ. Washington Nucl.Phys.Lab., Ann.Rept., 2006, p.54 (2006)
Measurement of the absolute γ branches in the decay of ^{32}Cl
- 2006BR12 P.Bringel, H.Hubel, A.Al-Khatib, A.Burger, N.Nenoff, A.Neusser-Neffgen, G.Schonwasser, A.K.Singh, G.B.Hagemann, B.Herskind, D.R.Jensen, G.Sletten, P.Bednarczyk, D.Curien, D.T.Joss, J.Simpson, G.Gangopadhyay, Th.Kroll, G.Lo Bianco, C.M.Petrache, S.Lunardi, W.C.Ma, N.Singh - Phys.Rev. C 73, 054314 (2006)
Normal and superdeformed high-spin structures in ^{161}Lu
- 2006BU04 D.Bucurescu, G.Cata-Danil, I.Cata-Danil, M.Ivascu, N.Marginean, R.Marginean, L.C.Mihailescu, C.Rusu, G.Suliman - Eur.Phys.J. A 27, 301 (2006)
Gamma-ray spectroscopy of the nucleus ^{139}Ce
- 2006BU07 E.Z.Buthelezi, F.M.Nortier, I.W.Schroeder - Appl.Radiat.Isot. 64, 915 (2006)
Excitation functions for the production of ^{82}Sr by proton bombardment of ^{nat}Rb at energies up to 100 MeV
- 2006BY01 V.M.Bystritsky, M.Filipowicz, V.V.Gerasimov, P.E.Knowles, F.Mulhauser, N.P.Popov, V.P.Volnykh, J.Wozniak - Eur.Phys.J. D 38, 455 (2006)
Study of the nuclear fusion in a muonic $d\mu^3\text{He}$ complex
- 2006CAZZ D.Cano-Ott, and the n_TOF Collaboration - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.318 (2006); AIP Conf.Proc. 819 (2006)
Neutron Capture Cross Section Measurements at n_TOF of ^{237}Np , ^{240}Pu and ^{243}Am for the Transmutation of Nuclear Waste
- 2006CH14 R.Chankova, A.Schiller, U.Agvaanluvsan, E.Algin, L.A.Bernstein, M.Guttormsen, F.Ingebretsen, T.Lonnroth, S.Messelt, G.E.Mitchell, J.Rekstad, S.Siem, A.C.Larsen, A.Voinov, S.Odegard - Phys.Rev. C 73, 034311 (2006)
Level densities and thermodynamical quantities of heated $^{93-98}\text{Mo}$ isotopes
- 2006CH16 W.-C.Chung, T.-I.Ro, G.Kim, M.Igashira, T.Ohsaki - J.Korean Phys.Soc. 48, 835 (2006)
Measurement of Neutron Capture Cross-Sections of ^{155}Gd and ^{157}Gd Isotopes in the Neutron Energy Range from 10 to 90 keV

REFERENCES

- 2006CH23 D.Chiladze, J.Carbonell, S.Dymov, V.Glagolev, M.Hartmann, V.Hejny, A.Kacharava, I.Keshelashvili, A.Khoukaz, H.R.Koch, V.Komarov, P.Kulesa, A.Kulikov, G.Macharashvili, Y.Maeda, T.Mersmann, S.Merzliakov, S.Mikirtychians, A.Mussgiller, M.Nioradze, H.Ohm, F.Rathmann, R.Schleichert, H.J.Stein, H.Stroher, Yu.Uzikov, S.Yaschenko, C.Wilkin - Phys.Lett. B 637, 170 (2006)
Vector and tensor analysing powers in deuteron-proton breakup reactions at intermediate energies
- 2006CH24 Y.J.Chen, S.J.Zhu, J.H.Hamilton, A.V.Ramayya, J.K.Hwang, M.Sakhaee, Y.X.Luo, J.O.Rasmussen, K.Li, I.Y.Lee, X.L.Che, H.B.Ding, M.L.Li - Phys.Rev. C 73, 054316 (2006)
Search for octupole correlations in neutron-rich ^{148}Ce nucleus
- 2006CH26 A.Chester, P.Adriach, A.Becerril, D.Bazin, C.M.Campbell, J.M.Cook, D.-C.Dinca, W.F.Mueller, D.Miller, V.Moeller, R.P.Norris, M.Portillo, K.Starosta, A.Stolz, J.R.Terry, H.Zwahlen, C.Vaman, A.Dewald - Nucl.Instrum.Methods Phys.Res. A562, 230 (2006)
Application of the time-of-flight technique for lifetime measurements with relativistic beams of heavy nuclei
- 2006CHZY S.N.Choudry, J.N.Orce, V.Varadarajan, S.Lesher, D.Bandyopadhyay, S.Mukhopadhyay, S.W.Yates, M.T.McEllistrem - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.101 (2006); AIP Conf.Proc. 819 (2006)
Symmetry and structure tests in ^{18}O and ^{18}Ne
- 2006COZY A.Couture, M.Beard, M.Couder, J.Gorres, L.Lamm, P.LeBlanc, H.-Y.Lee, S.O'Brien, A.Palumbo, E.Stech, E.Strandberg, W.Tan, E.Uberseder, C.Ugalde, M.Wiescher - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.186 (2006); AIP Conf.Proc. 819 (2006)
 $^{19}\text{F}(p, \gamma)^{20}\text{Ne}$: Putting a Lid on the CNO Cycle
- 2006CU01 N.Curtis, N.I.Ashwood, L.T.Baby, T.D.Baldwin, T.R.Bloxham, W.N.Catford, D.D.Caussyn, M.Freer, C.W.Harlin, P.McEwan, D.L.Price, D.Spangler, I.Wiedenhoefer - Phys.Rev. C 73, 057301 (2006)
 α -decaying states in $^{10,12}\text{Be}$ populated in the $^{10}\text{Be}(^{14}\text{C}, ^{10,12}\text{Be})$ reaction
- 2006DA12 D.Das, V.Natarajan - J.Phys.(London) B39, 2013 (2006)
Precise measurement of hyperfine structure in the $6P_{1/2}$ state of ^{133}Cs
- 2006DE15 A.Y.Deo, S.B.Patel, S.K.Tandel, S.Muralithar, R.P.Singh, R.Kumar, R.K.Bhowmik, S.S.Ghugre, A.K.Singh, V.Kumar, Amita - Phys.Rev. C 73, 034313 (2006)
Systematics of the shears mechanism in silver isotopes
- 2006DE19 A.M.Demidov, L.I.Govor, V.A.Kurkin, I.V.Mikhailov - Phys.Atomic Nuclei 69, 555 (2006); Yad.Fiz. 69, 579 (2006)
Multipole Mixtures in γ Transitions from the Reaction $^{154}\text{Sm}(n, n'\gamma)$

REFERENCES

- 2006DE21 M.S.Dewey, E.G.Kessler, Jr., R.D.Deslattes, H.G.Borner, M.Jentschel, C.Doll, P.Mutti - Phys.Rev. C 73, 044303 (2006)
Precision measurement of the ^{29}Si , ^{33}S , and ^{36}Cl binding energies
- 2006DE22 J.R.de Laeter, N.Bukilic - Phys.Rev. C 73, 045806 (2006)
Solar abundance of ^{176}Lu and s-process nucleosynthesis
- 2006DI06 P.Di Nezza, on behalf of the HERMES Collaboration - Nucl.Phys. B(Proc.Supp.) S152, 96 (2006)
Spin Structure of the Nucleon
- 2006D009 Zs.Dombradi, Z.Elekes, A.Saito, N.Aoi, H.Baba, K.Demichi, Zs.Fulop, J.Gibelin, T.Gomi, H.Hasegawa, N.Imai, M.Ishihara, H.Iwasaki, S.Kanno, S.Kawai, T.Kishida, T.Kubo, K.Kurita, Y.Matsuyama, S.Michimasa, T.Minemura, T.Motobayashi, M.Notani, T.Ohnishi, H.J.Ong, S.Ota, A.Ozawa, H.K.Sakai, H.Sakurai, S.Shimoura, E.Takeshita, S.Takeuchi, M.Tamaki, Y.Togano, K.Yamada, Y.Yanagisawa, K.Yoneda - Phys.Rev.Lett. 96, 182501 (2006)
Vanishing $N = 20$ Shell Gap: Study of Excited States in $^{27,28}\text{Ne}$
- 2006D0ZZ C.Domingo-Pardo, and the n_TOF Collaboration - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.288 (2006); AIP Conf.Proc. 819 (2006)
Measurement of the resonance capture cross section of $^{204,206}\text{Pb}$ and termination of the s-process
- 2006EL03 Z.Elekes, Zs.Dombradi, A.Saito, N.Aoi, H.Baba, K.Demichi, Zs.Fulop, J.Gibelin, T.Gomi, H.Hasegawa, N.Imai, M.Ishihara, H.Iwasaki, S.Kanno, S.Kawai, T.Kishida, T.Kubo, K.Kurita, Y.Matsuyama, S.Michimasa, T.Minemura, T.Motobayashi, M.Notani, T.Ohnishi, H.J.Ong, S.Ota, A.Ozawa, H.K.Sakai, H.Sakurai, S.Shimoura, E.Takeshita, S.Takeuchi, M.Tamaki, Y.Togano, K.Yamada, Y.Yanagisawa, K.Yoneda - Phys.Rev. C 73, 044314 (2006)
Proton inelastic scattering studies at the borders of the "island of inversion": The $^{30,31}\text{Na}$ and $^{33,34}\text{Mg}$ case
- 2006ER03 T.Eronen, V.Elomaa, U.Hager, J.Hakala, A.Jokinen, A.Kankainen, I.Moore, H.Penttila, S.Rahaman, S.Rinta-Antila, A.Saastamoinen, T.Sonoda, J.Aysto, A.Bey, B.Blank, G.Canchel, C.Dossat, J.Giovinazzo, I.Matea, N.Adimi - Phys.Lett. B 636, 191 (2006)
Q-value of the superallowed β decay of ^{62}Ga
- 2006EV01 A.O.Evans, E.S.Paul, A.J.Boston, H.J.Chantler, C.J.Chiera, M.Devlin, A.M.Fletcher, D.B.Fossan, D.R.LaFosse, G.J.Lane, I.Y.Lee, A.O.Macchiavelli, P.J.Nolan, D.G.Sarantites, J.M.Sears, A.T.Semple, J.F.Smith, K.Starosta, C.Vaman, A.V.Afanasjev, I.Ragnarsson - Phys.Lett. B 636, 25 (2006)
Magnetic properties of smooth terminating dipole bands in $^{110,112}\text{Te}$
- 2006FE06 M.S.Fetea, R.B.Cakirli, R.F.Casten, D.D.Warner, E.A.McCutchan, D.A.Meyer, A.Heinz, H.Ai, G.Gurdal, J.Qian, R.Winkler - Phys.Rev. C 73, 051301 (2006)

REFERENCES

- First test of the E(5 / 4) Bose-Fermi symmetry: The structure of ^{135}Ba
- 2006FI04 J.M.Figueira, D.Abrila, J.O.Fernandez Niello, A.Arazi, O.A.Capurro, E.de Barbara, G.V.Marti, D.Martinez Heimann, A.J.Pacheco, J.E.Testoni, I.Padron, P.R.S.Gomes, J.Lubian - Phys.Rev. C 73, 054603 (2006)
Absence of the threshold anomaly in the elastic scattering of the weakly bound projectile ^7Li on ^{27}Al
- 2006FIZZ R.B.Firestone, M.Krticka, D.P.McNabb, B.Sleaford, U.Agvaanluvsan, T.Belgya, Zs.Revay - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.389 (2006); AIP Conf.Proc. 819 (2006)
Thermal Neutron Capture Cross Sections Of The Palladium Isotopes
- 2006F004 R.D.Foster, C.R.Gould, D.G.Haase, J.M.Kelley, D.M.Markoff, W.Tornow - Phys.Rev. C 73, 034002 (2006)
Measurement of the relative longitudinal spin-dependent total cross-section difference in (n(pol)) - (d(pol)) scattering
- 2006GA14 A.Gade, R.V.F.Janssens, D.Bazin, B.A.Brown, C.M.Campbell, M.P.Carpenter, J.M.Cook, A.N.Deacon, D.-C.Dinca, S.J.Freeman, T.Glasmacher, B.P.Kay, P.F.Mantica, W.F.Mueller, J.R.Terry, S.Zhu - Phys.Rev. C 73, 037309 (2006)
Spectroscopy of the odd-odd fp-shell nucleus ^{52}Sc from secondary fragmentation
- 2006GAZY A.Gade, R.V.F.Janssens, D.Bazin, R.Broda, B.A.Brown, C.M.Campbell, M.P.Carpenter, J.M.Cook, A.N.Deacon, D.-C.Dinca, B.Fornal, S.J.Freeman, T.Glasmacher, P.G.Hansen, B.P.Kay, P.F.Mantica, W.F.Mueller, J.R.Terry, J.A.Tostevin, S.Zhu - nucl-ex/0606033,6/26/2006 (2006)
Cross-shell excitation in two-proton knockout: Structure of ^{52}Ca
- 2006GE05 J.Genevey, R.Guglielmini, R.Orlandi, J.A.Pinston, A.Scherillo, G.Simpson, I.Tsekhanovich, N.Warr, J.Jolie - Phys.Rev. C 73, 037308 (2006)
First observation of low-lying excited states in the very neutron-rich ^{95}Kr
- 2006GI03 G.Giorginis, V.Khryachkov - Nucl.Instrum.Methods Phys.Res. A562, 737 (2006)
The cross-section of the $^{10}\text{B}(n, \alpha)^7\text{Li}$ reaction measured in the MeV energy range
- 2006G011 D.E.Gonzalez Trotter, F.Salinas Meneses, W.Tornow, C.R.Howell, Q.Chen, A.S.Crowell, C.D.Roper, R.L.Walter, D.Schmidt, H.Witala, W.Glockle, H.Tang, Z.Zhou, I.Slaus - Phys.Rev. C 73, 034001 (2006)
Neutron-deuteron breakup experiment at $E_n = 13$ MeV: Determination of the $^1\text{S}_0$ neutron-neutron scattering length a_{nn}
- 2006G017 S.Goko, H.Utsunomiya, S.Goriely, A.Makinaga, T.Kaihorii, S.Hohara, H.Akimune, T.Yamagata, Y.-W.Lui, H.Toyokawa, A.J.Koning, S.Hilaire - Phys.Rev.Lett. 96, 192501 (2006)
Partial Photoneutron Cross Sections for the Isomeric State $^{180}\text{Ta}^m$

REFERENCES

- 2006G0ZZ M.B.Gomez Hornillos, M.Chartier, W.Mittig, B.Blank, L.Caballero, F.Chautard, C.E.Demonchy, G.Georgiev, A.Gillibert, B.Jacquot, B.Jurado, N.Lecesne, A.Lepine-Szily, N.Orr, G.Politi, M.Rousseau, P.Roussel-Chomaz, H.Savajols, A.C.C.Villari - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.159 (2006); AIP Conf.Proc. 819 (2006)
Mass Measurements with the CSS2 and CIME cyclotrons at GANIL
- 2006GR10 E.Grodner, A.A.Pasternak, Ch.Droste, T.Morek, J.Srebrny, J.Kownacki, W.Plociennik, A.A.Wasilewski, M.Kowalczyk, M.Kisielinski, R.Kaczarowski, E.Ruchowska, A.Kordyasz, M.Wolinska - Eur.Phys.J. A 27, 325 (2006)
Lifetimes and side-feeding population of the yrast band levels in ^{131}La
- 2006GYZY Gy.Gyurky, G.G.Kiss, Z.Elekes, Zs.Fulop, E.Somorjai, A.Palumbo, J.Gorres, H.Y.Lee, W.Rapp, M.Wiescher, N.Ozkan, R.T.Guray, G.Efe, T.Rauscher - nucl-ex/0605034,5/26/2006 (2006)
Alpha-induced cross sections of ^{106}Cd for the astrophysical p-process
- 2006GYZZ Gy.Gyurky, Z.Elekes, G.G.Kiss, Zs.Fulop, E.Somorjai, Z.Mate, J.Gorres, A.Palumbo, M.Wiescher, H.-Y.Lee, N.Ozkan, R.T.Guray, G.Efe, D.Galaviz, A.Kretschmer, K.Sonnabend, A.Zilges, T.Rauscher - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.201 (2006); AIP Conf.Proc. 819 (2006)
Radiative capture reactions and α -elastic scattering on ^{106}Cd for the astrophysical p-process
- 2006HA17 K.Hauschild, A.V.Yeremin, O.Dorvaux, A.Lopez-Martens A.V.Belozerov, Ch.Briancon, M.L.Chelnokov, V.I.Chepigin, S.A.Garcia-Santamaria, V.A.Gorshkov, F.Hanappe, A.P.Kabachenko, A.Korichi, O.N.Malyshev, Yu.Ts.Oganessian, A.G.Popeko, N.Rowley, A.V.Shutov, L.Stuttge, A.I.Svirikhin - Nucl.Instrum.Methods Phys.Res. A560, 388 (2006)
GABRIELA: A new detector array of γ -ray and conversion electron spectroscopy of transfermium elements
- 2006HA20 A.Hakanen, T.Siiskonen, R.Pollanen, A.Kosunen, A.Turunen, O.Belyakov - Appl.Radiat.Isot. 64, 864 (2006)
Design, spectrum measurements and simulations for a ^{238}Pu α -particle irradiator for bystander effect and genomic instability experiments
- 2006HAZX R.Hatarik, A.M.Alpizar-Vicente, T.A.Bredeweg, E.-I.Esch, U.Greife, R.C.Haight, J.M.O'Donnell, R.Reifarth, R.S.Rundberg, J.L.Ullmann, D.J.Vieira, J.M.Wouters - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.278 (2006); AIP Conf.Proc. 819 (2006)
 $^{102}\text{Pd}(n, \gamma)$ Cross Section Measurement Using DANCE
- 2006HE13 A.Hermanne, F.Tarkanyi, F.Ditroi, S.Takacs, R.A.Rebeles, M.S.Uddin, M.Hagiwara, M.Baba, Yu.Shubin, S.F.Kovalev - Nucl.Instrum.Methods Phys.Res. B247, 180 (2006)

REFERENCES

- Experimental study of the excitation functions of proton induced reactions on ^{nat}Sn up to 65 MeV
- 2006HE14 A.Hermanne, S.Takacs, M.B.Goldberg, E.Lavie, Yu.N.Shubin, S.Kovalev - Nucl.Instrum.Methods Phys.Res. B247, 223 (2006)
Deuteron-induced reactions on Yb: Measured cross sections and rationale for production pathways of carrier-free, medically relevant radionuclides
- 2006HEZX A.A.Hecht, C.J.Lister, C.N.Davids, A.Heinz, N.Hoteling, C.Mazzocchi, J.Palombo, D.Seweryniak, J.Shergur, M.Stoyer, W.B.Walters, P.J.Woods, S.Zhu - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.355 (2006); AIP Conf.Proc. 819 (2006)
Search For Enhanced Alpha Preformation in the N=Z+1 Nuclei ^{113}Ba , ^{109}Xe , ^{105}Te
- 2006HEZY M.Heil, M.Pignatari - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.265 (2006); AIP Conf.Proc. 819 (2006)
The weak s-process and its relation to explosive nucleosynthesis
- 2006H003 D.Hojman, M.A.Cardona, A.Arazi, O.A.Capurro, J.O.Fernandez-Niello, G.V.Marti, A.J.Pacheco, J.E.Testoni, D.Bazzacco, A.Burlon, J.Davidson, M.Davidson, G.de Angelis, M.De Poli, M.E.Debray, A.Gadea, A.J.Kreiner, S.M.Lenzi, S.Lunardi, N.H.Medina, D.R.Napoli, C.Rossi Alvarez, C.Ur - Phys.Rev. C 73, 044604 (2006)
Reaction-dependent spin population and evidence of breakup in ^{18}O
- 2006H005 F.Hosni, C.Lau, O.Bajeat, R.Borcea, Ch.Bourgeois, C.Donzaud, M.Ducourtieux, S.Essabaa, D.Guillemaud-Mueller, F.Ibrahim, H.Lefort, A.C.Mueller, O.Perru, B.Roussiere, J.Sauvage, K.L.Kratz, B.Pfeiffer, U.Koster, A.Joinet, J.Letry, K.Perajarvi, L.Tecchio, G.Lhersonneau, E.Fioretto, G.Prete, L.Stroe - Nucl.Instrum.Methods Phys.Res. B247, 205 (2006)
Yields of neutron-rich rubidium and cesium isotopes from fast-neutron induced fission of ^{238}U , obtained by studying their release from a thick ISOL target
- 2006HW01 J.K.Hwang, A.V.Ramayya, J.H.Hamilton, Y.X.Luo, A.V.Daniel, G.M.Ter-Akopian, J.D.Cole, S.J.Zhu - Phys.Rev. C 73, 044316 (2006)
Half-life measurements of several states in $^{95,97}\text{Sr}$, $^{97,100,104}\text{Zr}$, ^{106}Mo , and ^{148}Ce
- 2006HYZZ B.Hyland, C.E.Svensson, G.C.Ball, J.R.Leslie, D.Albers, C.AndreoIU, P.Bricault, R.Churchman, D.Cross, M.Domsky, P.E.Garrett, C.Geppert, G.F.Grinyer, G.Hackman, V.Hanemaayer, J.Lassen, J.P.Lavoie, D.Melconian, A.C.Morton, C.J.Pearson, M.Pearson, A.A.Phillips, M.A.Schumaker, J.J.Valiente-Dobon - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.105 (2006); AIP Conf.Proc. 819 (2006)
Gamma-Ray Transitions In the Decay of the Superalloyed Beta Emitter ^{62}Ga

REFERENCES

- 2006IS02 H.Ishiyama, T.Ishikawa, T.Hashimoto, Y.X.Watanabe, Y.Hirayama, N.Imai, H.Miyatake, M.H.Tanaka, Y.Fuchi, N.Yoshikawa, S.C.Jeong, H.Kawakami, I.Katayama, T.Nomura, S.Mitsuoka, K.Nishio, M.Matsuda, P.K.Saha, H.Ikezoe, S.K.Das, Y.Mizoi, T.Fukuda - Nucl.Instrum.Methods Phys.Res. A560, 366 (2006)
Production of a low-energy radioactive nuclear beam with high purity using JAERI-RMS
- 2006JA11 J.Janczyszyn, W.Pohorecki, G.Domanska, L.Loska, S.Taczanowski, V.Shvetsov - Ann.Nucl.Energy 33, 633 (2006)
Measurement and calculation of cross section for (p, x) reactions on natural Fe for 650 MeV protons
- 2006J003 E.K.Johansson, D.Rudolph, J.Ekman, C.Fahlander, C.Andreoiu, M.A.Bentley, M.P.Carpenter, R.J.Charity, R.M.Clark, P.Fallon, R.V.F.Janssens, F.G.Kondev, T.L.Khoo, T.Lauritsen, A.O.Macchiavelli, W.Reviol, D.G.Sarantites, D.Seweryniak, C.E.Svensson, S.J.Williams - Eur.Phys.J. A 27, 157 (2006)
Gamma-ray spectroscopy of the doubly magic nucleus ^{56}Ni
- 2006J0ZZ E.D.Johnson, G.V.Rogachev, A.M.Mukhamedzhanov, L.T.Baby, S.Brown, W.T.Cluff, A.M.Crisp, E.Diffenderfer, V.Z.Goldberg, B.W.Green, T.Hinners, C.R.Hoffman, K.W.Kemper, O.Momotyuk, P.Peplowski, A.Pipidis, R.Reynolds, B.T.Roeder - nucl-ex/0605024,5/18/2006 (2006)
Astrophysical factor for the neutron generator $^{13}\text{C}(\alpha, n)^{16}\text{O}$ reaction in the AGB stars
- 2006KA16 M.Karny, L.Batist, A.Banu, F.Becker, A.Blazhev, B.A.Brown, W.Bruchle, J.Doring, T.Faestermann, M.Gorska, H.Grawe, Z.Janas, A.Jungclaus, M.Kavatsyuk, O.Kavatsyuk, R.Kirchner, M.La Commara, S.Mandal, C.Mazzocchi, K.Miernik, I.Mukha, S.Muralithar, C.Plettner, A.Plochocki, E.Roeckl, M.Romoli, K.Rykaczewski, M.Schadel, K.Schmidt, R.Schwengner, J.Zylicz - Eur.Phys.J. A 27, 129 (2006)
Beta decay of the proton-rich nuclei ^{102}Sn and ^{104}Sn
- 2006KAZZ R.Kanungo, T.K.Alexander, A.N.Andreyev, G.C.Ball, R.S.Chakrawarthy, M.Chicoine, R.Churchman, B.Davids, J.S.Forster, S.Gujrathi, G.Hackman, D.Howell, J.R.Leslie, A.C.Morton, S.Mythili, C.J.Pearson, J.J.Ressler, C.Ruiz, H.Savajols, M.A.Schumaker, I.Tanihata, P.Walden, S.Yen - nucl-ex/0605033,5/25/2006 (2006)
Lifetime of $^{19}\text{Ne}^*(4.03 \text{ MeV})$
- 2006KE05 W.Ketter, W.Heil, G.Badurek, M.Baron, E.Jericha, R.Loidl, H.Rauch - Eur.Phys.J. A 27, 243 (2006)
Precision measurement of the coherent neutron scattering length of ^3He through neutron interferometry
- 2006KH03 M.U.Khandaker, A.K.M.M.H.Meaze, K.Kim, D.Son, G.Kim, Y.S.Lee - J.Korean Phys.Soc. 48, 821 (2006)
Measurements of the Proton-Induced Reaction Cross-Sections of ^{nat}Mo by Using the MC50 Cyclotron at the Korea Institute of Radiological and Medical Sciences

REFERENCES

- 2006KH04 R.U.Khafizov, N.Severijns, O.Zimmer, H.-F.Wirth, D.Rich, S.V.Tolokonnikov, V.A.Solovei, M.R.Kolhidashvili - JETP Lett. 83, 5 (2006)
Observation of the Neutron Radiative Decay
- 2006KI04 K.Kino, T.Saito, T.Nakagawa, T.Tamae, I.Nishikawa, Y.Asano, H.Toda, M.Watabe, T.Nakagawa, H.Tsubota, K.Takahashi, M.Utoyama, M.Higuchi, Y.Matsuura, H.Ueno, T.Suzuki - Phys.Rev. C 73, 034614 (2006)
Measurement of E2-E0 strength in the isovector giant resonance (GQR-GMR) region of ^{28}Si nuclei through the $(e, e'n)$ reaction
- 2006KIZZ G.N.Kim, W.C.Chung, T.I.Ro, T.Ohsaki, M.Igashira - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.133 (2006); AIP Conf.Proc. 819 (2006)
Measurements of Neutron Capture Cross Sections for Gd Isotopes in the Energy Region from 10 keV to 90 keV
- 2006KL03 T.Klechneva, C.Carasco, I.Goussev, M.Hauger, J.Jourdan, B.Krusche, H.Muhry, Ch.Normand, D.Rohe, D.Seliverstov, I.Sick, G.Testa, G.Warren, H.Wohrle, M.Zeier - Phys.Rev. C 73, 034005 (2006)
Vector and tensor analyzing powers of the $^1\text{H}(d(\text{pol}), \gamma)^3\text{He}$ capture reaction
- 2006KL04 A.V.Klimenko, for the CLAS Collaboration - Phys.Rev. C 73, 035212 (2006)
Electron scattering from high-momentum neutrons in deuterium
- 2006K013 R.L.Kozub, D.W.Bardayan, J.C.Batchelder, J.C.Blackmon, C.R.Brune, A.E.Champagne, J.A.Cizewski, U.Greife, C.J.Gross, C.C.Jewett, R.J.Livesay, Z.Ma, B.H.Moazen, C.D.Nesaraja, L.Sahin, J.P.Scott, D.Shapira, M.S.Smith, J.S.Thomas - Phys.Rev. C 73, 044307 (2006)
Neutron single particle strengths from the (d, p) reaction on ^{18}F
- 2006K0ZY K.Kobayashi, H.Akimune, H.Ejiri, H.Fujimura, M.Fujiwara, K.Hara, K.Y.Hara, T.Ishikawa, M.Itoh, Y.Itow, T.Kawabata, M.Nakamura, H.Sakaguchi, Y.Sakemi, M.Shiozawa, H.Takeda, Y.Totsuka, H.Toyokawa, M.Uchida, T.Yamada, Y.Yasuda, H.P.Yoshida, M.Yosoi, R.G.T.Zegers - nucl-ex/0604006, 4/10/2006 (2006)
De-excitation γ -rays from the s-hole state in ^{15}N associated with proton decay in ^{16}O
- 2006KR04 K.S.Krane, J.Sylvester - Phys.Rev. C 73, 054312 (2006)
Neutron capture cross sections of $^{112,116,122,124}\text{Sn}$
- 2006KRZX M.Krticka, F.Becvar, M.Heil, F.Kappeler, R.Reifarh, I.Tomandl, F.Voss, K.Wisshak - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.563 (2006); AIP Conf.Proc. 819 (2006)
Anomalous neutron radiative capture in ^{197}Au revisited

REFERENCES

- 2006KRZY A.Krasznahorkay, M.Csatlos, Y.Eisermann, T.Faestermann, G.Graw, J.Gulyas, D.Habs, M.N.Harakeh, R.Hertenberger, M.Hunyadi, H.J.Maier, Z.Mate, O.Schaile, P.G.Thirolf, H.J.Wirth - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.439 (2006); AIP Conf.Proc. 819 (2006)
Hyperdeformed rotational bands observed in the actinide region
- 2006KRZZ M.Krticka, F.Becvar, M.Heil, F.Kappeler, R.Reifarth, I.Tomandl, F.Voss, K.Wisshak - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.345 (2006); AIP Conf.Proc. 819 (2006)
Independent evidence for M1 scissors resonances built on the levels in the quasicontinuum of ^{163}Dy
- 2006LAZZ A.Laptev, H.Harada, S.Nakamura, J.Hori, M.Igashira, T.Ohsaki, K.Ohgama - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.402 (2006); AIP Conf.Proc. 819 (2006)
Distortion of pulse-height spectra of neutron capture gamma rays
- 2006LE17 S.Lee, S.L.Tabor, T.Baldwin, D.B.Campbell, I.Calderin, C.Chandler, M.W.Cooper, C.R.Hoffman, K.W.Kemper, J.Pavan, A.Pipidis, M.A.Riley, M.Wiedeking - Phys.Rev. C 73, 044321 (2006)
Structure of ^{26}Na from the $^{14}\text{C}(^{14}\text{C}, d)$ reaction
- 2006LE19 D.S.Leonard, H.J.Karwowski, C.R.Brune, B.M.Fisher, E.J.Ludwig - Phys.Rev. C 73, 045801 (2006)
Precision measurements of $^2\text{H}(d, p)^3\text{H}$ and $^2\text{H}(d, n)^3\text{He}$ total cross sections at Big Bang nucleosynthesis energies
- 2006LE22 I.Leya, R.Wieler, J.-C.David, S.Leray, L.Donadille, J.Cugnon, R.Michel - Nucl.Instrum.Methods Phys.Res. A562, 760 (2006)
Production of noble gas isotopes by proton-induced reactions on lead and bismuth
- 2006LEZW H.-Y.Lee, M.Beard, H.-W.Becker, M.Couder, A.Couture, J.Gorres, L.Lamm, P.LeBlanc, S.O'Brien, A.Palumbo, E.Stech, E.Strandberg, W.Tan, C.Ugalde, M.Wiescher - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.581 (2006); AIP Conf.Proc. 819 (2006)
 $^{18}\text{F}(\alpha, p)^{21}\text{Ne}$ Reaction: Neutron Source For r-Process In Supernovae
- 2006LEZX S.R.Lesher, Z.Ammar, M.Merrick, C.D.Hannant, N.Warr, T.B.Brown, N.Boukharouba, C.Fransen, M.T.McEllistrem, S.W.Yates - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.233 (2006); AIP Conf.Proc. 819 (2006)
Study of 0^+ States in Deformed Nuclei

REFERENCES

- 2006LI15 S.N.Liddick, P.F.Mantica, B.A.Brown, M.P.Carpenter, A.D.Davies, M.Horoi, R.V.F.Janssens, A.C.Morton, W.F.Mueller, J.Pavan, H.Schatz, A.Stolz, S.L.Tabor, B.E.Tomlin, M.Wiedeking - Phys.Rev. C 73, 044322 (2006)
Half-life and spin of $^{60}\text{Mn}^g$
- 2006LI17 A.Likar, M.Lipoglavsek, M.Vencelj, T.Vidmar, R.A.Bark, E.Gueorguieva, F.Komati, J.J.Lawrie, S.M.Maliage, S.M.Mullins, S.H.T.Murray, T.M.Ramashidzha - Phys.Rev. C 73, 044609 (2006)
Proton capture to continuum states of ^{209}Bi
- 2006LI23 T.C.Li, N.Pietralla, A.P.Tonchev, M.W.Ahmed, T.Ahn, C.Angell, M.A.Blackston, A.Costin, K.J.Keeter, J.Li, A.Lisetskiy, S.Mikhailov, Y.Parpottas, B.A.Perdue, G.Rainovski, W.Tornow, H.R.Weller, Y.K.Wu - Phys.Rev. C 73, 054306 (2006)
First evidence for spin-flip M1 strength in ^{40}Ar
- 2006LI24 M.L.Li, S.J.Zhu, S.D.Xiao, X.L.Che, Y.N.U, Y.J.Chen, H.B.Ding, L.H.Zhu, G.S.Li, S.X.Wen, X.G.Wu - Eur.Phys.J. A 28, 1 (2006)
Identification of band structures in the ^{137}La nucleus
- 2006LIZZ S.N.Liddick, P.F.Mantica, B.A.Brown, M.P.Carpenter, A.D.Davies, M.Horoi, R.V.F.Janssens, A.C.Morton, W.F.Mueller, J.Pavan, H.Schatz, A.Stolz, S.L.Tabor, B.E.Tomlin, M.Wiedeking - nucl-ex/0604001,4/6/2006 (2006)
Half-life and spin of $^{60}\text{Mn}^g$
- 2006MA18 S.Marrone, and the n_TOF Collaboration - Phys.Rev. C 73, 034604 (2006)
Measurement of the $^{151}\text{Sm}(n, \gamma)$ cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility
- 2006MA29 M.Manolopoulou, S.Stoulos, M.Fragopoulou, R.Brandt, W.Westmeier, M.Krivopustov, A.Sosnin, M.Zamani - Appl.Radiat.Isot. 64, 823 (2006)
Detection of spallation neutrons and protons using the ^{nat}Cd activation technique in transmutation experiments at Dubna
- 2006MA34 K.Macku, F.Jatuff, M.F.Murphy, O.P.Joneja, R.Bischofberger, R.Chawla - Nucl.Instrum.Methods Phys.Res. A562, 393 (2006)
Advanced foil activation techniques for the measurement of within-pin distributions of the $^{63}\text{Cu}(n, \gamma)^{64}\text{Cu}$ reaction rate in nuclear fuel
- 2006MA35 T.Mazet, H.Ihou-Mouko, J.F.Mareche, B.Malaman - Eur.Phys.J. B 51, 173 (2006)
Magnetic properties and ^{119}Sn hyperfine interaction parameters of LiMn_6Sn_6
- 2006MAZY A.Marinov, I.Rodushkin, Y.Kashiv, L.Halicz, I.Segal, A.Pape, R.V.Gentry, H.W.Miller, D.Kolb, R.Brandt - nucl-ex/0605008,5/11/2006 (2006)
Existence of long-lived isomeric states in naturally-occurring neutron-deficient Th isotopes
- 2006MAZZ M.Matos - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.164 (2006); AIP Conf.Proc. 819 (2006)

REFERENCES

- Recent Achievements and Future of Mass Measurements with Fast Radioactive Beams
- 2006MC02 E.A.McCutchan, N.V.Zamfir, R.F.Casten, H.Ai, H.Amro, M.Babilon, D.S.Brenner, G.Gurdal, A.Heinz, R.O.Hughes, D.A.Meyer, C.Plettner, J.Qian, J.J.Ressler, N.J.Thomas, V.Werner, E.Williams, R.Winkler - Phys.Rev. C 73, 034303 (2006)
Lifetime measurements of yrast states in ^{162}Yb and ^{166}Hf
- 2006MC03 B.McKinnon, and the CLAS Collaboration - Phys.Rev.Lett. 96, 212001 (2006)
Search for the Θ^+ Pentaquark in the Reaction $\gamma d \rightarrow pK^- K^+ n$
- 2006ME08 D.F.Measday, T.J.Stocki - Phys.Rev. C 73, 045501 (2006)
 γ rays from muon capture in natural Ca, Fe, and Ni
- 2006MI10 O.V.Miklukho, G.M.Amalsky, V.A.Andreev, S.L.Belostotsky, D.O.Veretennikov, Yu.V.Elkin, A.A.Zhdanov, A.A.Izotov, A.Yu.Kiselev, A.I.Kovalev, L.M.Kochenda, M.P.Levchenko, T.Noro, A.N.Prokofiev, D.A.Prokofiev, H.Sakaguchi, V.Yu.Trautman, V.A.Trofimov, S.I.Trush, O.Ya.Fedorov, K.Hatanaka, A.V.Shvedchikov - Phys.Atomic Nuclei 69, 452 (2006); Yad.Fiz. 69, 474 (2006)
Polarization in Quasielastic (p, 2p) Scattering on a ^4He Nucleus at 1 GeV
- 2006M007 F.Montes, A.Estrade, P.T.Hosmer, S.N.Liddick, P.F.Mantica, A.C.Morton, W.F.Mueller, M.Ouellette, E.Pellegrini, P.Santi, H.Schatz, A.Stolz, B.E.Tomlin, O.Arndt, K.-L.Kratz, B.Pfeiffer, P.Reeder, W.B.Walters, A.Aprahamian, A.Wohr - Phys.Rev. C 73, 035801 (2006)
 β -decay half-lives and β -delayed neutron emission probabilities for neutron rich nuclei close to the $N = 82$ r-process path
- 2006M008 D.C.Morton, Q.Wu, G.W.F.Drake - Phys.Rev. A 73, 034502 (2006)
Nuclear charge radius of ^3He
- 2006M011 S.A.Morrow, D.Branford, K.Fohl, J.C.McGeorge, J.-O.Adler, K.Hansen, L.Isaksson, M.Lundin, I.J.D.MacGregor, B.Schroder - Phys.Rev. C 73, 044611 (2006)
High-resolution study of the $^{12}\text{C}(\gamma, p\gamma)^{11}\text{B}$ reaction using a HpGe detector to resolve excited states of ^{11}B through the observation of their γ -ray decays
- 2006MU07 A.St.J.Murphy, M.Aliotta, T.Davinson, C.Ruiz, P.J.Woods, J.M.D'Auria, L.Buchmann, A.A.Chen, A.M.Laird, F.Sarazin, P.Walden, B.R.Fulton, J.E.Pearson, B.A.Brown - Phys.Rev. C 73, 034320 (2006)
Level structure of ^{21}Mg : Nuclear and astrophysical implications
- 2006MU08 A.M.Mukhamedzhanov, P.Bem, V.Burjan, C.A.Gagliardi, B.F.Irgaziev, V.Kroha, J.Novak, S.Piskor, E.Simeckova, R.E.Tribble, F.Vesely, J.Vincour - Phys.Rev. C 73, 035806 (2006)
Asymptotic normalization coefficients from the $^{20}\text{Ne}(^3\text{He}, d)^{21}\text{Na}$ reaction and astrophysical factor for $^{20}\text{Ne}(p, \gamma)^{21}\text{Na}$

REFERENCES

- 2006MUZY S.Mukhopadhyay, J.N.Orce, S.N.Choudry, V.Varadarajan, A.Kumar, M.T.McEllistrem, S.W.Yates - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.583 (2006); AIP Conf.Proc. 819 (2006)
Search for Multiphonon and Mixed-Symmetry States in ^{127}I
- 2006NA10 S.Naito, Y.Nagai, T.Shima, H.Makii, K.Mishima, K.Tamura, H.Toyokawa, H.Ohgaki, J.Golak, R.Skibinski, H.Witala, W.Glockle, A.Nogga, H.Kamada - Phys.Rev. C 73, 034003 (2006)
New data for total $^3\text{He}(\gamma, p)\text{D}$ and $^3\text{He}(\gamma, pp)n$ cross sections compared to current theory
- 2006NA13 Sz.Nagy, T.Fritioff, M.Suhonen, R.Schuch, K.Blaum, M.Bjorkhage, I.Bergstrom - Phys.Rev.Lett. 96, 163004 (2006)
New Mass Value for ^7Li
- 2006NA17 B.K.Nayak, U.Garg, M.Hedden, M.Koss, T.Li, Y.Liu, P.V.Madhusudhana Rao, S.Zhu, M.Itoh, H.Sakaguchi, H.Takeda, M.Uchida, Y.Yasuda, M.Yosoi, H.Fujimura, M.Fujiwara, K.Hara, T.Kawabata, H.Akimune, M.N.Harakeh - Phys.Lett. B 637, 43 (2006)
"Bi-modal" isoscalar giant dipole strength in ^{58}Ni
- 2006NA18 Sz.Nagy, T.Fritioff, A.Solders, R.Schuch, M.Bjorkhage, I.Bergstrom - Eur.Phys.J. D 39, 1 (2006)
Precision mass measurement of $^{40}\text{Ca}^{17+}$ and $^{40}\text{Ca}^{19+}$ ions in a Penning trap
- 2006NA19 M.Nakao, J.Hori, K.Ochiai, N.Kubota, S.Sato, M.Yamauchi, N.S.Ishioka, T.Nishitani - Nucl.Instrum.Methods Phys.Res. A562, 785 (2006)
Measurements of deuteron-induced activation cross-sections for IFMIF accelerator structural materials
- 2006NE03 A.Neusser-Neffgen, H.Hubel, P.Bringel, J.Domscheit, E.Mergel, N.Nenoff, A.K.Singh, G.B.Hagemann, D.R.Jensen, S.Bhattacharya, D.Curien, O.Dorvaux, F.Hannachi, A.Lopez-Martens - Phys.Rev. C 73, 034309 (2006); Erratum Phys.Rev. C 73, 049902 (2006)
Triaxial superdeformed and normal-deformed high-spin band structures in ^{170}Hf
- 2006NIZY B.Nilsson, J.-O.Adler, B.-E.Andersson, J.R.M.Anand, I.Akkurt, M.J.Boland, G.I.Crawford, K.G.Fissum, K.Hansen, P.D.Harty, D.G.Ireland, L.Isaksson, M.Karlsson, M.Lundin, J.C.McGeorge, G.J.Miller, H.Ruijter, A.Sandell, B.Schroder, D.A.Sims, D.Watts, and the MAX-lab Nuclear Physics Working Group - nucl-ex/0603030, 3/29/2006 (2006)
A measurement of the $^4\text{He}(\gamma, n)$ reaction from $23 < E_\gamma < 70$ MeV
- 2006NIZZ J.Nishiyama, M.Igashira, T.Ohsaki, G.N.Kim, W.C.Chung, T.I.Ro - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.579 (2006); AIP Conf.Proc. 819 (2006)
Systematic Measurement of keV-neutron Capture Cross Sections and Capture Gamma-ray Spectra of Sn Isotopes

REFERENCES

- 20060B03 A.Obertelli, A.Gade, D.Bazin, C.M.Campbell, J.M.Cook, P.D.Cottle, A.D.Davies, D.-C.Dinca, T.Glasmacher, P.G.Hansen, T.Hoagland, K.W.Kemper, J.-L.Lecouey, W.F.Mueller, R.R.Reynolds, B.T.Roeder, J.R.Terry, J.A.Tostevin, K.Yoneda, H.Zwahlen - Phys.Rev. C 73, 044605 (2006)
Population of bound excited states in intermediate-energy fragmentation reactions
- 20060HZY T.Ohsaki, D.Ikenaga, M.Igashira - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.378 (2006); AIP Conf.Proc. 819 (2006)
Measurement of Capture Gamma Rays from the 46- and 84-keV Neutron Resonances of ^{24}Mg
- 20060HZZ K.Ohgama, M.Igashira, T.Ohsaki - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.373 (2006); AIP Conf.Proc. 819 (2006)
Measurement of Gamma Rays from keV-Neutron Capture Reaction by Zr-90, 94
- 20060R05 R.Orlandi, A.G.Smith, D.Patel, G.S.Simpson, R.M.Wall, J.F.Smith, O.J.Onakanmi, I.Ahmad, J.P.Greene, M.P.Carpenter, T.Lauritsen, C.J.Lister, R.V.F.Janssens, F.G.Kondeev, D.Seweryniak, B.J.P.Gall, O.Dorveaux, A.E.Stuchbery - Phys.Rev. C 73, 054310 (2006)
Single-particle and collective degrees of freedom in ^{101}Zr and $^{103,105}\text{Mo}$
- 20060S02 M.Osipenko, and the CLAS Collaboration - Phys.Rev. C 73, 045205 (2006)
Measurement of the deuteron structure function F_2 in the resonance region and evaluation of its moments
- 2006PA16 A.Patil, D.Santhosh, K.V.Sai, M.Sainath, K.Venkataaramanian - Appl.Radiat.Isot. 64, 693 (2006)
Precision measurements in ^{124}Te following the decay of ^{124}Sb
- 2006PA20 N.S.Pattabiraman, S.S.Ghugre, S.K.Basu, U.Garg, S.Ray, A.K.Sinha, S.Zhu - Nucl.Instrum.Methods Phys.Res. A562, 222 (2006)
Subtraction of random coincidences in γ -ray spectroscopy: A new approach
- 2006PAZZ A.Palumbo, J.Gorres, H.-Y.Lee, M.Wiescher, W.Rapp, N.Ozkan, R.T.Guray, G.Efe, Gy.Gyurky, Zs.Fulop, E.Somorjai - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.585 (2006); AIP Conf.Proc. 819 (2006)
 ^{106}Cd and ^{112}Sn : Alpha-Induced Cross Section Measurements For The Astrophysical P-Process
- 2006PE10 Yu.E.Penionzhkevich, V.I.Zagrebaev, S.M.Lukyanov, R.Kalpakchieva - Phys.Rev.Lett. 96, 162701 (2006)
Deep Sub-Barrier Fusion Enhancement in the $^6\text{He} + ^{206}\text{Pb}$ Reaction

REFERENCES

- 2006PE13 O.Perru, O.Sorlin, S.Franchoo, F.Azaiez, E.Bouchez, C.Bourgeois, A.Chatillon, J.M.Daugas, Z.Dlouhy, Zs.Dombradi, C.Donzaud, L.Gaudefroy, H.Grawe, S.Grevy, D.Guillemaud-Mueller, F.Hammache, F.Ibrahim, Y.Le Coz, S.M.Lukyanov, I.Matea, J.Mrazek, F.Nowacki, Yu.-E.Penionzhkevich, F.de Oliveira Santos, F.Pougheon, M.G.Saint-Laurent, G.Sletten, M.Stanoiu, C.Stodel, Ch.Theisen, D.Verney - Phys.Rev.Lett. 96, 232501 (2006)
Enhanced Core Polarization in ^{70}Ni and ^{74}Zn
- 2006PEZY D.Peterson, B.B.Back, R.V.F.Janssens, T.L.Khoo, C.J.Lister, D.Seweryniak, I.Ahmad, M.P.Carpenter, C.N.Davids, A.A.Hecht, C.L.Jiang, T.Lauritsen, X.Wang, S.Zhu, F.G.Kondey, A.Heinz, J.Qian, R.Winkler, P.Chowdhury, S.K.Tandel, U.S.Tandel - nucl-ex/0604005,4/10/2006 (2006)
Decay modes of ^{250}No
- 2006PIZZ N.Pietralla, G.Rainovski, T.Ahn, M.P.Carpenter, R.V.F.Janssens, C.J.Lister, S.Zhu - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.11 (2006); AIP Conf.Proc. 819 (2006)
In-Beam γ -Spectroscopy of Low-Spin Mixed-Symmetry States of ^{138}Ce with Gammasphere in Singles-Mode
- 2006POZZ L.Popescu, T.Adachi, C.Baumer, G.P.A.Berg, A.M.van den Berg, P.von Brentano, D.Frekers, D.de Frenne, K.Fujita, Y.Fujita, E.W.Grewe, P.Haefner, K.Hatanaka, M.Hunyadi, M.de Huu, E.Jacobs, H.Johansson, A.Korff, A.Negret, K.Nakanishi, P.von Neumann-Cosel, S.Rakers, N.Ryezayeva, Y.Sakemi, A.Shevchenko, Y.Shimbara, Y.Shimizu, H.Simon, Y.Tameshige, A.Tamii, M.Uchida, H.J.Wortche, M.Yosoi - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.550 (2006); AIP Conf.Proc. 819 (2006)
Spin-isospin excitations from the ground-state of ^{64}Ni
- 2006RA07 A.Ray, P.Das, S.K.Saha, S.K.Das, J.J.Das, N.Madhavan, S.Nath, P.Sugathan, P.V.M.Rao, A.Jhingan - Phys.Rev. C 73, 034323 (2006)
Change of ^7Be decay rate in exohedral and endohedral C_{60} fullerene compounds and its implications
- 2006RA08 G.Rainovski, N.Pietralla, T.Ahn, C.J.Lister, R.V.F.Janssens, M.P.Carpenter, S.Zhu, C.J.Barton III - Phys.Rev.Lett. 96, 122501 (2006)
Stabilization of Nuclear Isovector Valence-Shell Excitations
- 2006RA10 R.Raut, S.Ganguly, R.Kshetri, P.Banerjee, S.Bhattacharya, B.Dasmahapatra, A.Mukherjee, G.Mukherjee, M.S.Sarkar, A.Goswami, G.Gangopadhyay, S.Mukhopadhyay, Krishichayan, A.Chakraborty, S.S.Ghugre, T.Bhattacharjee, S.K.Basu - Phys.Rev. C 73, 044305 (2006)
High spin states in ^{143}Sm
- 2006RA12 M.A.Rahman, M.S.Chowdhury - Phys.Rev. C 73, 054311 (2006)
Nuclear structure of ^{102}Mo

REFERENCES

- 2006REZY P.H.Regan, G.A.Jones, Zs.Podolyak, N.Yoshinaga, K.Higashiyama, G.de Angelis, Y.H.Zhang, A.Gadea, C.A.Ur, M.Axiotis, D.Bazzacco, R.Broda, D.Bucurescu, E.Farnea, W.Gelletly, M.Ionescu-Bujor, A.Iordachescu, Th.Kroll, S.D.Langdown, S.Lenzi, S.Lunardi, N.Marginean, T.Martinez, N.Medina, R.Menegazzo, D.R.Napoli, B.Quintana, B.Rubio, C.Rusu, R.Schwengner, D.Tonev, J.J.Valiente Dobon, W.von Oertzen - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.464 (2006); AIP Conf.Proc. 819 (2006)
Multinucleon Transfer Reactions to Study Single-Particle Evolution in Se Isotopes
- 2006REZZ P.H.Regan, N.J.Thompson, A.B.Garnsworthy, H.C.Ai, L.Amon, R.B.Cakirli, R.F.Casten, C.R.Fitzpatrick, S.J.Freeman, G.Gurdal, A.Heinz, G.A.Jones, E.A.McCutchan, J.Qian, V.Werner, S.J.Williams, R.Winkler - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.35 (2006); AIP Conf.Proc. 819 (2006)
Isomer and In-Beam Spectroscopy of Medium-Spin States in $^{91,92}\text{Zr}$
- 2006R022 C.Romano, Y.Danon, R.C.Haight, S.A.Wender, D.J.Vieira, E.M.Bond, R.S.Rundberg, J.B.Wilhelmy, J.M.O'Donnell, A.F.Michaudon, T.A.Bredeweg, D.Rochman, T.Granier, T.Ethvignot - Nucl.Instrum.Methods Phys.Res. A562, 771 (2006)
Measurements of (n, α) cross-section of small samples using a lead-slowing-down-spectrometer
- 2006RU06 G.Rusev, R.Schwengner, F.Donau, M.Erhard, S.Frauendorf, E.Grosse, A.R.Junghans, L.Kaubler, K.Kosev, L.K.Kostov, S.Mallion, K.D.Schilling, A.Wagner, H.von Garrel, U.Kneissl, C.Kohstall, M.Kreutz, H.H.Pitz, M.Scheck, F.Stedile, P.von Brentano, C.Fransen, J.Jolie, A.Linnemann, N.Pietralla, V.Werner - Phys.Rev. C 73, 044308 (2006)
Systematics of magnetic dipole strength in the stable even-mass Mo isotopes
- 2006RU07 E.Ruchowska, W.A.Plociennik, J.Zylicz, H.Mach, J.Kvasil, A.Algora, N.Amzal, T.Back, M.G.Borge, R.Boutami, P.A.Butler, J.Cederkall, B.Cederwall, B.Fogelberg, L.M.Fraile, H.O.U.Fynbo, E.Hagebo, P.Hoff, H.Gausemel, A.Jungclaus, R.Kaczarowski, A.Kerek, W.Kurcewicz, K.Lagergren, E.Nacher, B.Rubio, A.Syntfeld, O.Tengblad, A.A.Wasilewski, L.Weissman - Phys.Rev. C 73, 044326 (2006)
Nuclear structure of ^{229}Th
- 2006RUZZ R.S.Rundberg, T.A.Bredeweg, E.M.Bond, R.C.Haight, L.F.Hunt, A.Kronenberg, J.M.O'Donnell, J.M.Schwantes, J.L.Ullmann, D.J.Vieira, J.B.Wilhelmy, J.M.Wouters - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.312 (2006); AIP Conf.Proc. 819 (2006)
Neutron Capture Cross Sections of ^{236}U and ^{234}U
- 2006SA18 R.Sadighi-Bonabi, O.Kokabee - Chin.Phys.Lett. 23, 1434 (2006)
Evaluation of Transmutation of $^{137}\text{Cs}(\gamma, n)^{136}\text{Cs}$ Using Ultra-Intense Lasers in Solid Targets

REFERENCES

- 2006SC16 D.Schumann, R.Michel, G.Korschinek, K.Knie, J.-C.David - Nucl.Instrum.Methods Phys.Res. A562, 1057 (2006)
Excitation functions for the production of ^{60}Fe and ^{53}Mn in the reaction $^{nat}\text{Pb}(p, xp / yn)Z$
- 2006SI11 R.Silwal, J.R.Brandenberger - Phys.Rev. A 73, 032508 (2006)
Hyperfine structure in the $4p^55d$ states of ^{83}Kr
- 2006SI16 K.Singh, S.Sihotra, S.S.Malik, J.Goswamy, D.Mehta, N.Singh, R.Kumar, R.P.Singh, S.Muralithar, E.S.Paul, J.A.Sheikh, C.R.Praharaj - Eur.Phys.J. A 27, 321 (2006)
Rotational structures in the ^{125}Cs nucleus
- 2006SI18 B.P.Singh, M.K.Sharma, M.M.Musthafa, H.D.Bhardwaj, R.Prasad - Nucl.Instrum.Methods Phys.Res. A562, 717 (2006)
A study of pre-equilibrium emission in some proton- and alpha-induced reactions
- 2006SK03 F.Skaza, V.Lapoux, N.Keeley, N.Alamanos, E.C.Pollacco, F.Auger, A.Drouart, A.Gillibert, D.Beaumel, E.Becheva, Y.Blumenfeld, F.Delaunay, L.Giot, K.W.Kemper, L.Nalpas, A.Obertelli, A.Pakou, R.Raabe, P.Roussel-Chomaz, J.-L.Sida, J.-A.Scarpaci, S.Stepantsov, R.Wolski - Phys.Rev. C 73, 044301 (2006)
Experimental evidence for subshell closure in ^8He and indication of a resonant state in ^7He below 1 MeV
- 2006SK04 N.A.Skakun, V.M.Sherstnev, M.V.Vashchenko - Ukr.J.Phys. 51, 542 (2006)
Studies of orientation effects in crystals by isolated resonances in nuclear reactions
- 2006SKZZ B.B.Skorodumov, G.V.Rogachev, P.Boutachkov, A.Aprahamian, J.J.Kolata, L.O.Lamm, M.Quinn, A.Woehr - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.601 (2006); AIP Conf.Proc. 819 (2006)
Spectroscopic structure of exotic ^{19}Na . Astrophysics implication
- 2006ST07 R.W.Stoenner, R.L.Klobuchar, P.E.Haustein, G.J.Virtes, J.B.Cumming, W.Loveland - Phys.Rev. C 73, 047602 (2006)
Angular distributions in multifragmentation
- 2006SU06 S.Sudar, S.M.Qaim - Phys.Rev. C 73, 034613 (2006)
Cross sections for the formation of $^{195}\text{Hg}^{m,g}$, $^{197}\text{Hg}^{m,g}$, and $^{196}\text{Au}^{m,g}$ in α and ^3He -particle induced reactions on Pt: Effect of level density parameters on the calculated isomeric cross-section ratio
- 2006TA13 S.K.Tandel, P.Chowdhury, E.H.Seabury, I.Ahmad, M.P.Carpenter, S.M.Fischer, R.V.F.Janssens, T.L.Khoo, T.Lauritsen, C.J.Lister, D.Seweryniak, Y.R.Shimizu - Phys.Rev. C 73, 044306 (2006)
High-K isomers and rotational structures in ^{174}W
- 2006TA14 F.Tarkanyi, B.Kiraly, F.Ditroi, S.Takacs, J.Csikai, A.Hermanne, M.S.Uddin, M.Hagiwara, M.Baba, Yu.N.Shubin, S.F.Kovalev - Nucl.Instrum.Methods Phys.Res. B247, 210 (2006)

REFERENCES

Cross sections of deuteron induced nuclear reactions on iridium

- 2006TEZZ R.Terlizzi, U.Abbondanno, G.Aerts, H.Alvarez, F.Alvarez-Velarde, S.Andriamonje, J.Andrzejewski, P.Assimakopoulos, L.Audouin, G.Badurek, P.Baumann, F.Becvar, E.Berthoumieux, F.Calvino, D.Cano-Ott, R.Capote, A.Carrillo de Albornoz, P.Cennini, V.Chepel, E.Chiaveri, N.Colonna, G.Cortes, A.Couture, J.Cox, M.Dahlfors, S.David, I.Dillmann, R.Dolfini, C.Domingo-Pardo, W.Dridi, I.Duran, C.Eleftheriadis, M.Embid-Segura, L.Ferrant, A.Ferrari, R.Ferreira-Marques, L.Fitzpatrick, H.Frais-Koelbl, K.Fujii, W.Furman, R.Gallino, I.Goncalves, E.Gonzalez-Romero, A.Goverdovski, F.Gramegna, E.Griesmayer, C.Guerrero, F.Gunsing, B.Haas, R.Haight, M.Heil, A.Herrera-Martinez, M.Igashira, S.Isaev, E.Jericha, Y.Kadi, F.Kappeler, D.Karamanis, D.Karadimos, M.Kerveno, V.Ketlerov, P.Koehler, V.Konovalov, E.Kossionides, M.Krticka, C.Lamboudis, H.Leeb, A.Lindote, I.Lopes, M.Lozano, S.Lukic, J.Marganec, L.Marques, S.Marrone, P.Mastinu, A.Mengoni, P.M.Milazzo, C.Moreau, M.Mosconi, F.Neves, H.Oberhummer, S.O'Brien, M.Oshima, J.Pancin, C.Papachristodoulou, C.Papadopoulos, C.Paradela, N.Patronis, A.Pavlik, P.Pavlopoulos, L.Perrot, R.Plag, A.Plompen, A.Plukis, A.Poch, C.Pretel, J.Quesada, T.Rauscher, R.Reifarth, M.Rosetti, C.Rubbia, G.Rudolf, P.Rullhusen, J.Salgado, L.Sarchiapone, I.Savvidis, C.Stephan, G.Tagliente, J.L.Tain, L.Tassan-Got, L.Tavora, G.Vannini, P.Vaz, A.Ventura, D.Villamarin, M.C.Vincente, V.Vlachoudis, R.Vlastou, F.Voss, S.Walter, H.Wendler, M.Wiescher, K.Wisshak - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.283 (2006); AIP Conf.Proc. 819 (2006)
Measurement of $^{139}\text{La}(n, \gamma)$ Cross Section
- 2006TI06 Y.E.Titarenko, V.F.Batyaev, R.D.Mulambetov, V.M.Zhivun, V.S.Barashenkov, S.G.Mashnik, Y.N.Shubin, A.V.Ignatyuk - Nucl.Instrum.Methods Phys.Res. A562, 801 (2006)
Excitation functions of product nuclei from 40 to 2600 MeV proton-irradiated $^{206,207,208}\text{natPb}$ and ^{209}Bi
- 2006TOZY A.P.Tonchev, C.Angell, M.Boswell, C.R.Howell, H.J.Karwowski, J.H.Kelley, W.Tornow, N.Tsoneva - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.350 (2006); AIP Conf.Proc. 819 (2006)
Low-Energy Dipole Modes of Excitation Below the Neutron Separation Energy
- 2006TR02 V.Tripathi, S.L.Tabor, C.R.Hoffman, M.Wiedeking, A.Volya, P.F.Mantica, A.D.Davies, S.N.Liddick, W.F.Mueller, A.Stolz, B.E.Tomlin, T.Otsuka, Y.Utsuno - Phys.Rev. C 73, 054303 (2006)
 β -delayed γ spectroscopy of neutron rich $^{27,28,29}\text{Na}$
- 2006TR03 S.Triambak, A.Garcia, E.G.Adelberger, G.J.P.Hodges, D.Melconian, H.E.Swanson, S.A.Hoedl, S.K.L.Sjue, A.L.Sallaska, H.Iwamoto - Phys.Rev. C 73, 054313 (2006)
Mass of the lowest $T = 2$ state in ^{32}S : A test of the isobaric multiplet mass equation

REFERENCES

- 2006TRZZ S.Triambak, A.Garcia, E.G.Adelberger, G.J.P.Hodges, H.E.Swanson, S.A.Hoedl, S.K.L.Sjue, A.L.Sallaska - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.607 (2006); AIP Conf.Proc. 819 (2006)
Mass of the lowest $T = 2$ state of ^{32}S
- 2006TU03 K.Turzo, P.Himpe, D.L.Balabanski, G.Belier, D.Borremans, J.M.Daugas, G.Georgiev, F.de Oliveira Santos, S.Mallion, I.Matea, G.Neyens, Yu.E.Penionzhkevich, Ch.Stodel, N.Vermeulen, D.Yordanov - Phys.Rev. C 73, 044313 (2006)
Spin polarization of ^{34}Al fragments produced by nucleon pickup at intermediate energies
- 2006TU05 F.Tuo, F.Zhou, Y.Yi, X.Cao, X.Kong - Appl.Radiat.Isot. 64, 910 (2006)
Cross-section measurements for the reactions of 14 MeV neutrons on indium isotopes
- 2006UR01 W.Urban, Ch.Droste, T.Rzaca-Urban, A.Zlomaniec, J.L.Durell, A.G.Smith, B.J.Varley, I.Ahmad - Phys.Rev. C 73, 037302 (2006)
Near-yrast structure of the ^{109}Mo nucleus
- 2006UR02 W.Urban, M.Saha-Sarkar, S.Sarkar, T.Rzaca-Urban, J.L.Durell, A.G.Smith, J.A.Genevey, J.A.Pinston, G.S.Simpson, I.Ahmad - Eur.Phys.J. A 27, 257 (2006)
New information on the $T_{1/2} = 47$ s isomer in the ^{136}I nucleus
- 2006VA06 F.Vanderbist, P.Leleux, C.Angulo, E.Casarejos, M.Couder, M.Loiselet, G.Ryckewaert, P.Descouvemont, M.Aliotta, T.Davinson, Z.Liu, P.J.Woods - Eur.Phys.J. A 27, 183 (2006)
A first experimental approach to the $^{15}\text{O} + \alpha$ elastic scattering
- 2006VE03 D.Venos, O.Dragoun, A.Spalek, M.Vobecky - Nucl.Instrum.Methods Phys.Res. A560, 352 (2006)
Precise energy of the weak 32-keV gamma transition observed in ^{83m}Kr decay
- 2006V004 H.von Garrel, P.von Brentano, C.Fransen, G.Friessner, N.Hollmann, J.Jolie, F.Kappeler, L.Kaubler, U.Kneissl, C.Kohstall, L.Kostov, A.Linnemann, D.Mucher, N.Pietralla, H.H.Pitz, G.Rusev, M.Scheck, K.D.Schilling, C.Scholl, R.Schwengner, F.Stedile, S.Walter, V.Werner, K.Wisshak - Phys.Rev. C 73, 054315 (2006)
Low-lying E1, M1, and E2 strength distributions in $^{124,126,128,129,130,131,132,134,136}\text{Xe}$: Systematic photon scattering experiments in the mass region of a nuclear shape or phase transition
- 2006V0ZX A.V.Voinov, S.M.Grimes, U.Agvaanluvsan, E.Algin, T.Belgya, C.R.Brune, M.Guttormsen, M.J.Hornish, T.Massey, G.E.Mitchell, J.Rekstad, A.Schiller, S.Siem - nucl-ex/0604002,4/6/2006 (2006)
Level density of ^{56}Fe and low-energy enhancement of γ -strength function

REFERENCES

- 2006V0ZY P.von Neumann-Cosel, N.T.Botha, O.Burda, J.Carter, R.W.Fearick, S.V.Fortsch, C.Fransen, H.Fujita, M.Kuhar, A.Lenhardt, R.Neveling, N.Pietralla, V.Yu.Ponomarev, A.Richter, E.Sideras-Haddad, F.D.Smit, J.Wambach - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.611 (2006); AIP Conf.Proc. 819 (2006)
Nature of One- and Two-Phonon Mixed Symmetry States in ^{92}Zr and ^{94}Mo from High-Resolution Electron and Proton Scattering
- 2006V0ZZ A.V.Voinov, S.M.Grimes, U.Agvaanluvsan, E.Algin, T.Belgya, C.R.Brune, M.Guttormsen, M.J.Hornish, T.N.Massey, G.E.Mitchell, J.Rekstad, A.Schiller, S.Siem - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.545 (2006); AIP Conf.Proc. 819 (2006)
Level densities of iron isotopes and low-energy enhancement of γ -strength function
- 2006WA10 Y.-B.Wang, P.Dendooven, J.Huikari, A.Jokinen, V.S.Kolhinen, G.Lhersonneau, A.Nieminen, S.Nummela, H.Penttila, K.Perajarvi, S.Rinta-Antila, J.Szerypo, J.C.Wang, J.Aysto - Chin.Phys.Lett. 23, 808 (2006)
New Levels in ^{118}Pd Observed in the β Decay of Very Neutron-Rich ^{118}Rh Isotope
- 2006WA14 N.R.Walker, S.G.Francis, J.J.Rowlands, A.C.Legon - Chem.Phys.Lett. 423, 327 (2006)
Nuclear hyperfine coupling constants of aluminium moniodide determined by Fourier-transform microwave spectroscopy
- 2006WEZZ V.Werner, N.Pietralla, P.von Brentano, U.Kneissl, H.H.Pitz, A.Tonchev, M.W.Ahmed, C.Fransen, H.von Garrel, C.Kohstall, J.Li, A.Linnemann, S.Muller, I.V.Pinayev, D.Savran, M.Scheck, F.Stedile, W.Tornow, S.Walter, H.R.Weller, Y.K.Wu - Proc.12th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Notre Dame, Indiana, 4-9 September 2005, A.Woehr, A.Aprahamian, Eds., p.340 (2006); AIP Conf.Proc. 819 (2006)
New findings for mixed-symmetry states
- 2006WI09 H.Witala, J.Golak, R.Skibinski, W.Glockle, A.Nogga, E.Epelbaum, H.Kamada, A.Kievsky, M.Viviani - Phys.Rev. C 73, 044004 (2006)
Testing nuclear forces by polarization transfer coefficients in $d(p(\text{pol}), p(\text{pol}))d$ and $d(p(\text{pol}), d(\text{pol}))p$ reactions at $E_p^{\text{lab}} = 22.7$ MeV
- 2006WI10 J.A.Winger, P.F.Mantica, R.M.Ronningen - Phys.Rev. C 73, 044318 (2006)
 β decay of $^{40,42}\text{S}$ and ^{43}Cl
- 2006WI11 K.Wisshak, F.Voss, F.Kappeler, L.Kazakov, F.Becvar, M.Krticka, R.Gallino, M.Pignatari - Phys.Rev. C 73, 045807 (2006)
Fast neutron capture on the Hf isotopes: Cross sections, isomer production, and stellar aspects
- 2006WU01 C.Y.Wu, H.Hua, D.Cline, A.B.Hayes, R.Teng, D.Riley, R.M.Clark, P.Fallon, A.Goergen, A.O.Macchiavelli, K.Vetter - Phys.Rev. C 73, 034312 (2006)

REFERENCES

- Evidence for possible shape transitions in neutron-rich Ru isotopes: Spectroscopy of $^{109,110,111,112}\text{Ru}$
- 2006XU03 S.-W.Xu, Y.-X.Xie, F.-R.Xu, H.-L.Liu, Z.-K.Li - Eur.Phys.J. A 28, 37 (2006)
 β -delayed proton decays and spin assignments for ^{140}Tb , ^{141}Dy and ^{143}Dy
- 2006YI01 S.Yildiz, M.Freer, N.Soic, S.Ahmed, N.I.Ashwood, N.M.Clarke, N.Curtis, B.R.Fulton, C.J.Metelko, B.Novatski, N.A.Orr, R.Pitkin, S.Sakuta, V.A.Ziman - Phys.Rev. C 73, 034601 (2006)
 α -decaying states ^{18}O , ^{20}Ne and ^{22}Ne in ^{18}O beam induced reactions
- 2006Y003 J.Yoon, T.Ro, S.Lee, G.Kim - J.Korean Phys.Soc. 48, 841 (2006)
Measurement of the Resonance Integral of Praseodymium from a Differential Neutron Capture Cross-Section Obtained by Using the Linac TOF Method and a BGO Spectrometer
- 2006YU03 L.Yuan, and the HNSS Collaboration - Phys.Rev. C 73, 044607 (2006)
Hypernuclear spectroscopy using the $(e, e'K^+)$ reaction
- 2006YUZZ K.L.Yurkewicz, D.Bazin, B.A.Brown, J.Enders, A.Gade, T.Glasmacher, P.G.Hansen, V.Maddalena, A.Navin, B.M.Sherrill, J.A.Tostevin - nucl-ex/0606030,6/23/2006 (2006)
One-neutron knockout from ^{57}Ni
- 2006ZH09 L.H.Zhu, Z.L.Zhang, X.G.Wu, F.R.Xu, G.S.Li, Z.M.Wang, C.Y.He, Y.Wang, R.Meng, H.B.Sun, R.G.Ma, X.Z.Cui, Y.Liu, S.X.Wen, Y.Zheng, A.Pasternak, H.Y.Zhou, Y.Z.Liu, C.X.Yang - Eur.Phys.J. A 27, 137 (2006)
Shape-driving effect of the proton $1/2[541]$ band in ^{171}Ta
- 2006ZH10 B.V.Zhuravlev, A.A.Lychagin, N.N.Titarenko - Phys.Atomic Nuclei 69, 363 (2006); Yad.Fiz. 69, 387 (2006)
Nuclear-Level Densities around $Z = 50$ from Neutron Evaporation Spectra in (p, n) Reactions
- 2006ZH12 C.-L.Zhang, H.-Q.Zhang, C.-J.Lin, M.Ruan, Z.-H.Liu, F.Yang, X.-K.Wu, P.Zhou, G.-P.An, H.-M.Jia, Z.-D.Wu, X.-X.Xu, C.-L.Bai - Chin.Phys.Lett. 23, 1146 (2006)
Unusual Threshold Anomaly in the $^6\text{Li} + ^{208}\text{Pb}$ System
- 2006ZH14 F.Zhou, Y.Zhang, F.Tuo, Y.Yi, X.Kong - Appl.Radiat.Isot. 64, 815 (2006)
Cross-section measurements for the $^{128}\text{Te}(n, 2n)^{127m}\text{Te}$ reaction induced by neutrons around 14 MeV
- 2006ZU02 K.Zuber - Prog.Part.Nucl.Phys. 57, 235 (2006)
Status of the double beta experiment COBRA