

Recent References:
April 1, 2009 to June 30, 2009

National Nuclear Data Center, Brookhaven National Laboratory

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This document lists experimental references added to Nuclear Science References (NSR) during the period April 1, 2009 to June 30, 2009. 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

¹ n	2009K011	RADIOACTIVITY ¹ n(β^-); measured transverse polarization of electrons. JOUR PRLTA 102 172301
	2009SH18	NUCLEAR REACTIONS ^{1,2} H(n, p), E=0.55-2.00 GeV; measured $\sigma(\theta)$ ratio. Comparison with other data and energy-dependent phase-shift analysis results. JOUR ZAANE 39 267
¹ H	2009DY01	NUCLEAR REACTIONS ¹ H(p, pX) ¹ H, E=0.8-2.0 GeV; measured inclusive multipion production σ . Comparison with CELSIUS-WASA data. COSY storage ring and ANKE magnetic spectrometer. JOUR PRLTA 102 192301
	2009J001	NUCLEAR REACTIONS ¹ H(p, p γ), E=310 MeV; measured p-spectra, $\sigma(E)$, $\sigma(\theta)$, missing mass; deduced di-proton final state. JOUR PYLBB 673 5
	2009K011	RADIOACTIVITY ¹ n(β^-); measured transverse polarization of electrons. JOUR PRLTA 102 172301
	2009OR01	NUCLEAR MOMENTS ¹ H, ⁶⁷ Zn; measured dynamic nuclear polarization. JOUR PRBMD 79 165316
	2009YAZY	NUCLEAR REACTIONS ¹ H(⁷ Be, ⁷ Be'), E=53.8 MeV; measured E γ , I γ , excitation function, elastic and inelastic $\sigma(\theta)$. ⁸ B; resonance parameters. REPT CNS-REP-81, Yamaguchi

A=2

² n	2009SH18	NUCLEAR REACTIONS ^{1,2} H(n, p), E=0.55-2.00 GeV; measured $\sigma(\theta)$ ratio. Comparison with other data and energy-dependent phase-shift analysis results. JOUR ZAANE 39 267
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A=3

³ H	2009JI03	NUCLEAR REACTIONS ² H(d, p), E not given; measured proton spectrum. JOUR CMPHC 18 1428
	2009R004	NUCLEAR REACTIONS ¹ H(¹¹ Li, ⁹ Li), E=5 MeV / nucleon; measured reaction Q-value using angle-angle kinematical correlations of reaction products and by energy correlations between ⁹ Li recoils and outgoing tritons. JOUR PRVCA 79 031603

A=4

⁴ H	2009GU03	NUCLEAR REACTIONS ^{10,11} B(π^- , X) ⁴ H / ⁵ H, E not given; measured particle, missing-mass spectra; Observed resonance states; deduced resonance parameters. JOUR BRSPe 73 139
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A=5

- ⁵H 2009GU03 NUCLEAR REACTIONS ^{10,11}B(π^- , X)⁴H / ⁵H, E not given; measured particle, missing-mass spectra; Observed resonance states; deduced resonance parameters. JOUR BRSPE 73 139

A=6

No references found

A=7

- ⁷Li 2008LA18 NUCLEAR REACTIONS ²H(¹¹B, n α), (¹⁰B, p α), E=27 MeV; measured E α , I α , fragment spectra, cross sections. ¹¹B(p, α), ¹⁰B(n, α); deduced S-factors. JOUR NIFBA 31 423
- 2009HA11 NUCLEAR REACTIONS ²H(⁸Li, t), E=0.18, 0.24, 0.30, 0.40, 0.46, 0.60, 0.75 MeV / nucleon; measured charged-particle spectra, σ , $\sigma(\theta)$, $\sigma(E)$; deduced ⁷Li excitation energy spectra, astrophysical reaction rate. Comparison with other data. JOUR PYLBB 674 276
- ⁷Be 2009KI05 NUCLEAR REACTIONS ⁷Li(p, n), E=2.5 MeV; Measured neutron spectra, $\sigma(\theta)$. Dosimetric characterization of therapeutic neutron beam. JOUR ARISE 67 1173

A=8

- ⁸He 2009GR03 NUCLEAR REACTIONS ³H(⁶He, p), E not given; measured E_p, I_p, cross sections. Deduced B(E1). JOUR PPNLA 6 118
- ⁸Be 2008LA18 NUCLEAR REACTIONS ²H(¹¹B, n α), (¹⁰B, p α), E=27 MeV; measured E α , I α , fragment spectra, cross sections. ¹¹B(p, α), ¹⁰B(n, α); deduced S-factors. JOUR NIFBA 31 423
- 2009CH15 NUCLEAR REACTIONS ⁹Be(n, n'), (n, 2n), E=5.9, 6.4 MeV; measured $\sigma(\theta, E)$. Compared results to model calculations and evaluated databases. JOUR ANEND 36 668
- ⁸B 2009YAZY NUCLEAR REACTIONS ¹H(⁷Be, ⁷Be'), E=53.8 MeV; measured E γ , I γ , excitation function, elastic and inelastic $\sigma(\theta)$. ⁸B; resonance parameters. REPT CNS-REP-81,Yamaguchi

A=9

- ⁹Li 2009GE04 NUCLEAR REACTIONS ⁷Li(t, p), E=5.0-11.3 MeV; measured β -delayed neutron yield, excitation function. JOUR BRSPE 73 156
- ⁹Be 2009CH15 NUCLEAR REACTIONS ⁹Be(n, n'), (n, 2n), E=5.9, 6.4 MeV; measured $\sigma(\theta, E)$. Compared results to model calculations and evaluated databases. JOUR ANEND 36 668
- 2009K009 NUCLEAR REACTIONS ¹¹B(d, p), (d, α), E=900-1200 keV; measured $\sigma(\theta, E)$. JOUR NIMBE 267 1740

A=9 (continued)

- 2009MA16 NUCLEAR REACTIONS ${}^9\text{Be}({}^{48}\text{Ca}, \text{n}{}^{47}\text{Ca})$, (${}^{56}\text{Ti}$, $\text{n}{}^{55}\text{Ti}$), $E=450$ MeV / nucleon; measured σ , $E\gamma$, $I\gamma$, (recoil) γ -coin after Doppler correction, momentum distributions. ${}^{47}\text{Ca}$, ${}^{55}\text{Ti}$; deduced J , π , levels. Comparison with shell-model calculations. FRS with secondary beam and MINIBALL array. JOUR PYLBB 675 22
- 2009RI03 ATOMIC MASSES ${}^9,{}^{10},{}^{11}\text{Be}$ [from Rb, Sr, Ta(p, X), $E=500$ MeV]; measured masses using the TITAN Penning trap mass spectrometer at TRIUMF. ${}^{11}\text{Be}$; deduced single-neutron separation energy. Comparison with AME2003. JOUR PYLBB 675 170
- ${}^9\text{B}$ 2009GA09 NUCLEAR REACTIONS ${}^9\text{Be}({}^{46}\text{Cl}, {}^{46}\text{S})$, (${}^{48}\text{K}$, ${}^{48}\text{Ar}$), $E \geq 85$ MeV / nucleon; measured $E\gamma$, $I\gamma$, inclusive σ , yields, longitudinal momentum distributions; ${}^{46}\text{S}$, ${}^{48}\text{Ar}$; deduced level energies. Comparisons with Large-scale shell-model calculations using SDPF-NR effective interaction. JOUR PRLTA 102 182502

A=10

- ${}^{10}\text{Be}$ 2009RI03 ATOMIC MASSES ${}^9,{}^{10},{}^{11}\text{Be}$ [from Rb, Sr, Ta(p, X), $E=500$ MeV]; measured masses using the TITAN Penning trap mass spectrometer at TRIUMF. ${}^{11}\text{Be}$; deduced single-neutron separation energy. Comparison with AME2003. JOUR PYLBB 675 170
- ${}^{10}\text{B}$ 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ${}^{10}\text{C}$ 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=11

- ${}^{11}\text{Li}$ 2009R004 ATOMIC MASSES ${}^{11}\text{Li}$; deduced mass and $S(2n)$ from measured Q -value for ${}^1\text{H}({}^{11}\text{Li}, {}^9\text{Li})$ reaction. JOUR PRVCA 79 031603
- ${}^{11}\text{Be}$ 2009RI03 ATOMIC MASSES ${}^9,{}^{10},{}^{11}\text{Be}$ [from Rb, Sr, Ta(p, X), $E=500$ MeV]; measured masses using the TITAN Penning trap mass spectrometer at TRIUMF. ${}^{11}\text{Be}$; deduced single-neutron separation energy. Comparison with AME2003. JOUR PYLBB 675 170
- ${}^{11}\text{B}$ 2009RU04 NUCLEAR REACTIONS ${}^{11}\text{B}(\text{polarized } \gamma, \gamma')$, $E=1-100$ MeV; measured $E\gamma$, $I\gamma$, azimuthal asymmetries; deduced levels, mixing ratios. JOUR PRVCA 79 047601

A=12

- ${}^{12}\text{Be}$ 2009IM01 NUCLEAR REACTIONS ${}^{197}\text{Au}({}^{12}\text{Be}, {}^{12}\text{Be}')$, $E=42.9$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin. ${}^{12}\text{Be}$ deduced levels, $T_{1/2}$, $B(E2)$, deformation length. Doppler shift attenuation method. JOUR PYLBB 673 179
- ${}^{12}\text{B}$ 2009K009 NUCLEAR REACTIONS ${}^{11}\text{B}(\text{d}, \text{p})$, (d, α), $E=900-1200$ keV; measured $\sigma(\theta, E)$. JOUR NIMBE 267 1740

A=12 (continued)

- 2009LE09 NUCLEAR REACTIONS ^{12}C , $^{16}\text{O}(\nu, \pi^0)$, $^{12}\text{C}(\nu, \pi^+)$, E=0.5-2.0 GeV; measured pion production as a function of kinetic energy, single π^+ cross sections for charged current. Giessen
Boltzmann-Uehling-Uhlenbeck model for neutrino induced reactions to charged current and neutral current pion production. JOUR PRVCA 79 038501
- ^{12}C 2009AS01 NUCLEAR REACTIONS $^4\text{He}(^{12}\text{C}, \alpha)$, E=46, 52, 56, 63 MeV; measured $E\alpha$, $I\alpha$, resonant scattering cross sections. ^{16}O ; deduced resonance parameters. JOUR JPGPE 36 055105
- 2009LE09 NUCLEAR REACTIONS ^{12}C , $^{16}\text{O}(\nu, \pi^0)$, $^{12}\text{C}(\nu, \pi^+)$, E=0.5-2.0 GeV; measured pion production as a function of kinetic energy, single π^+ cross sections for charged current. Giessen
Boltzmann-Uehling-Uhlenbeck model for neutrino induced reactions to charged current and neutral current pion production. JOUR PRVCA 79 038501

A=13

- ^{13}B 2009IW03 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, \text{p})$, E=5.4 MeV; Measured $I\gamma$, Doppler-shifted $E\gamma$; Deduced level energy, J, π , B(M1). Doppler-shift attenuation method (DSAM). JOUR PRLTA 102 202502
- ^{13}C 2009KA14 NUCLEAR REACTIONS $^{12}\text{C}(^{24}\text{O}, ^{23}\text{O})$, E=920 MeV / nucleon; measured fragment spectra. ^{24}O ; deduced one neutron removal spectroscopic factor. ^{23}O ; deduced level energies. JOUR PRLTA 102 152501

A=14

- ^{14}C 2009NA07 NUCLEAR REACTIONS $^{15}\text{C}(\text{Pb}, \text{X})^{14}\text{C}$, E=68 MeV / nucleon; measured breakup σ as a function of energy; deduced B(E1) as a function of excitation. $^{14}\text{C}(\text{n}, \gamma)$, E=0-2.8 MeV; deduced σ using principle of detailed balance and direct radiative capture model. Coulomb breakup process. Comparison with experimental data. JOUR PRVCA 79 035805
- ^{14}N 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ^{14}O 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=15

- ¹⁵C 2009NA07 NUCLEAR REACTIONS ¹⁵C(Pb, X)¹⁴C, E=68 MeV / nucleon; measured breakup σ as a function of energy; deduced B(E1) as a function of excitation. ¹⁴C(n, γ), E=0-2.8 MeV; deduced σ using principle of detailed balance and direct radiative capture model. Coulomb breakup process. Comparison with experimental data. JOUR PRVCA 79 035805
- ¹⁵O 2009DA07 NUCLEAR REACTIONS ¹H(¹⁹Ne, p), E=9 MeV / nucleon; measured Ep, Ip, angular distributions. ¹⁹Ne; deduced level energies, J, π , widths. ¹⁸F(p, α); calculated S-factor. JOUR PRLTA 102 162503
- 2009OL02 NUCLEAR REACTIONS ¹⁶O(p, d), E at 3.25 GeV / c; measured cumulative deuteron production cross sections. JOUR PANUE 72 452

A=16

- ¹⁶O 2009AS01 NUCLEAR REACTIONS ⁴He(¹²C, α), E=46, 52, 56, 63 MeV; measured E α , I α , resonant scattering cross sections. ¹⁶O; deduced resonance parameters. JOUR JPGPE 36 055105
- 2009LE09 NUCLEAR REACTIONS ¹²C, ¹⁶O(ν , π^0), ¹²C(ν , π^+), E=0.5-2.0 GeV; measured pion production as a function of kinetic energy, single π^+ cross sections for charged current. Giessen Boltzmann-Uehling-Uhlenbeck model for neutrino induced reactions to charged current and neutral current pion production. JOUR PRVCA 79 038501
- 2009MA18 NUCLEAR REACTIONS ¹⁹F(p, $\alpha\gamma$)¹⁶O, E=1.378 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. Double electron-positron pair production by γ rays. JOUR PRVCA 79 048501

A=17

No references found

A=18

- ¹⁸Ne 2009CH17 NUCLEAR REACTIONS ¹H(¹⁷F, γ), E < 14.3 MeV; measured recoil spectra, cross sections. ¹⁷F(p, γ); deduced resonance strengths and reaction rates. JOUR PRLTA 102 152502

A=19

- ¹⁹Ne 2009DA07 NUCLEAR REACTIONS ¹H(¹⁹Ne, p), E=9 MeV / nucleon; measured Ep, Ip, angular distributions. ¹⁹Ne; deduced level energies, J, π , widths. ¹⁸F(p, α); calculated S-factor. JOUR PRLTA 102 162503

A=20

No references found

A=21

No references found

A=22

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| ^{22}Na | 2009ER02 | error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802 |
| | 2009NA08 | RADIOACTIVITY $^{22}\text{Na}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. Activity standardization. JOUR ARISE 66 865 |
| ^{22}Mg | 2009ER02 | error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802 |
| | 2009NA08 | RADIOACTIVITY $^{22}\text{Na}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. Activity standardization. JOUR ARISE 66 865 |

A=23

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|-----------------|----------|---|
| ^{23}O | 2009KA14 | NUCLEAR REACTIONS $^{12}\text{C}(^{24}\text{O}, ^{23}\text{O})$, $E=920$ MeV / nucleon; measured fragment spectra. ^{24}O ; deduced one neutron removal spectroscopic factor. ^{23}O ; deduced level energies. JOUR PRLTA 102 152501 |
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A=24

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| ^{24}O | 2009KA14 | NUCLEAR REACTIONS $^{12}\text{C}(^{24}\text{O}, ^{23}\text{O})$, $E=920$ MeV / nucleon; measured fragment spectra. ^{24}O ; deduced one neutron removal spectroscopic factor. ^{23}O ; deduced level energies. JOUR PRLTA 102 152501 |
| ^{24}Na | 2009BE16 | NUCLEAR REACTIONS $^{27}\text{Al}(d, p)$, $(d, 2p)$, $(d, p\alpha)$, $E=3.38-20.18$ MeV; $^{63}\text{Cu}(d, 2n)$, $E=4-20$ MeV; measured excitation functions. $^{27}\text{Al}(d, n)$, $(d, 2n)$, (d, α) , $E<25$ MeV; comparison of cross section data. Comparison with calculations from TALYS and ACSELAM computer codes, and experimental data. JOUR PRVCA 79 044610 |
| | 2009LA07 | NUCLEAR REACTIONS $^{27}\text{Al}, \text{Ni}(n, \alpha)$, $E=14.77$ MeV; measured $E\alpha$, $I\alpha$; deduced σ , $\sigma(\theta)$, $\sigma(E, \theta)$, reaction mechanism features. Comparison with TALYS and PRECO2007 calculations. ^{24}Na ; deduced level density parameter. JOUR NUPAB 821 23 |

A=25

- ²⁵Mg 2009BE16 NUCLEAR REACTIONS ²⁷Al(d, p), (d, 2p), (d, pα), E=3.38-20.18 MeV; ⁶³Cu(d, 2n), E=4-20 MeV; measured excitation functions. ²⁷Al(d, n), (d, 2n), (d, α), E<25 MeV; comparison of cross section data. Comparison with calculations from TALYS and ACSELAM computer codes, and experimental data. JOUR PRVCA 79 044610
- ²⁵Al 2009PE04 NUCLEAR REACTIONS ²H(²⁵Al, n)²⁶Si, E=91.5 MeV; ²H(²⁴Mg, n)²⁵Al, E=140 MeV; measured decay proton spectra, resonances, excitation energies, σ, proton and γ widths. ²⁶Si; deduced levels, resonances, J, π; ²⁵Al(p, γ)²⁶Si; deduced reaction rate. JOUR PRVCA 79 032801

A=26

- ²⁶Mg 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- 2009SC07 NUCLEAR REACTIONS ²⁶Mg(γ, γ'), E=13.0 MeV; measured Eγ, Iγ, γ(θ), cross sections, widths. ²⁶Mg; deduced levels, J, π, B(E1), B(M1). JOUR PRVCA 79 037303
- ²⁶Al 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ²⁶Si 2009ER02 ATOMIC MASSES ²⁶Si; measured Q(EC) and mass using the JYFLTRAP mass spectrometer; ²⁵Al(p, γ)²⁶Si; deduced Q-value and reaction rates. JOUR PRVCA 79 032802
- 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- 2009PE04 NUCLEAR REACTIONS ²H(²⁵Al, n)²⁶Si, E=91.5 MeV; ²H(²⁴Mg, n)²⁵Al, E=140 MeV; measured decay proton spectra, resonances, excitation energies, σ, proton and γ widths. ²⁶Si; deduced levels, resonances, J, π; ²⁵Al(p, γ)²⁶Si; deduced reaction rate. JOUR PRVCA 79 032801

A=27

- ²⁷Mg 2009BE16 NUCLEAR REACTIONS ²⁷Al(d, p), (d, 2p), (d, pα), E=3.38-20.18 MeV; ⁶³Cu(d, 2n), E=4-20 MeV; measured excitation functions. ²⁷Al(d, n), (d, 2n), (d, α), E<25 MeV; comparison of cross section data. Comparison with calculations from TALYS and ACSELAM computer codes, and experimental data. JOUR PRVCA 79 044610
- ²⁷Si 2009BE16 NUCLEAR REACTIONS ²⁷Al(d, p), (d, 2p), (d, pα), E=3.38-20.18 MeV; ⁶³Cu(d, 2n), E=4-20 MeV; measured excitation functions. ²⁷Al(d, n), (d, 2n), (d, α), E<25 MeV; comparison of cross section data. Comparison with calculations from TALYS and ACSELAM computer codes, and experimental data. JOUR PRVCA 79 044610
- 2009L001 NUCLEAR REACTIONS ¹²C(¹⁶O, X)²⁷Si, E=26 MeV; measured Eγ, Iγ, γγ-coin. ²⁷Si; deduced resonance energies. ²⁶Al(p, γ); calculated reaction rates at astrophysical energies. JOUR PRLTA 102 162502

A=28

- ²⁸Al 2009BE16 NUCLEAR REACTIONS ²⁷Al(d, p), (d, 2p), (d, pα), E=3.38-20.18 MeV; ⁶³Cu(d, 2n), E=4-20 MeV; measured excitation functions. ²⁷Al(d, n), (d, 2n), (d, α), E<25 MeV; comparison of cross section data. Comparison with calculations from TALYS and ACSELAM computer codes, and experimental data. JOUR PRVCA 79 044610
- ²⁸Si 2009BE16 NUCLEAR REACTIONS ²⁷Al(d, p), (d, 2p), (d, pα), E=3.38-20.18 MeV; ⁶³Cu(d, 2n), E=4-20 MeV; measured excitation functions. ²⁷Al(d, n), (d, 2n), (d, α), E<25 MeV; comparison of cross section data. Comparison with calculations from TALYS and ACSELAM computer codes, and experimental data. JOUR PRVCA 79 044610

A=29

- ²⁹Na 2009HU03 NUCLEAR REACTIONS ¹¹⁰Pd(²⁹Na, ²⁹Na'), E=70 MeV; measured Eγ, Iγ, (particle)γ-coin, charged-particle spectra following Coulomb excitation; deduced σ. ²⁹Na; deduced B(E2). Comparison with shell model. JOUR PYLBB 674 168
- ²⁹Si 2009K010 NUCLEAR REACTIONS ²⁸Si(d, p), E=1.5-2.0 MeV; measured σ(α, E). JOUR NIMBE 267 1744

A=30

No references found

A=31

- ³¹S 2009WR02 NUCLEAR REACTIONS ³¹P(³He, t)³¹S, E=20, 25 MeV; ³¹P(³He, t)³¹S, E=20 MeV; ³²S(d, t)³¹S, E=25 MeV; measured (particle)(particle)-coin, proton branching ratios, tp(θ). ³¹S; deduced levels, J, π. ³⁰P(p, γ)³¹S; deduced spectroscopic factors, widths and reaction rates. Comparison with Hauser-Feshbach statistical model estimates. JOUR PRVCA 79 045803

A=32

No references found

A=33

No references found

A=34

³⁴ S	2009ER02	error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
³⁴ Cl	2009ER02	error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
³⁴ Ar	2009ER02	error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=35

No references found

A=36

No references found

A=37

No references found

A=38

³⁸ Ar	2009ER02	error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
³⁸ K	2009ER02	error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=39

No references found

A=40

No references found

A=41

No references found

A=42

- ⁴²Ca 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ⁴²Sc 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=43

- ⁴³Ar 2009M009 NUCLEAR REACTIONS ⁹Be(³⁶S, X), E=95 MeV; measured E γ , I γ , (particle) γ -coin. ⁴³Ar; deduced levels, J, π . Calculated production σ of S, Cl, Ar, K, Ca isotopes using CASCADE. JOUR PRVCA 79 037302
- ⁴³K 2009DA05 NUCLEAR REACTIONS ⁴⁵Sc(p, X)⁴³K / ⁴³Sc / ⁴⁴Sc / ⁴⁴Ti, E < 37 MeV; measured E γ , I γ , excitation functions using the activation technique. JOUR NIMBE 267 755
- ⁴³Sc 2009DA05 NUCLEAR REACTIONS ⁴⁵Sc(p, X)⁴³K / ⁴³Sc / ⁴⁴Sc / ⁴⁴Ti, E < 37 MeV; measured E γ , I γ , excitation functions using the activation technique. JOUR NIMBE 267 755
- 2009KH03 NUCLEAR REACTIONS Ti(p, x)⁴⁸V / ⁴³Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc, E=3.9-37.8 MeV; Measured E γ , I γ , production σ , yields using Stacked-foil activation technique. Compared results to model calculations using TALYS and ALICE-IPPE codes. JOUR ARISE 67 1348

A=44

- ⁴⁴Sc 2009DA05 NUCLEAR REACTIONS ⁴⁵Sc(p, X)⁴³K / ⁴³Sc / ⁴⁴Sc / ⁴⁴Ti, E < 37 MeV; measured E γ , I γ , excitation functions using the activation technique. JOUR NIMBE 267 755
- 2009KH03 NUCLEAR REACTIONS Ti(p, x)⁴⁸V / ⁴³Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc, E=3.9-37.8 MeV; Measured E γ , I γ , production σ , yields using Stacked-foil activation technique. Compared results to model calculations using TALYS and ALICE-IPPE codes. JOUR ARISE 67 1348
- ⁴⁴Ti 2009DA05 NUCLEAR REACTIONS ⁴⁵Sc(p, X)⁴³K / ⁴³Sc / ⁴⁴Sc / ⁴⁴Ti, E < 37 MeV; measured E γ , I γ , excitation functions using the activation technique. JOUR NIMBE 267 755

A=45

No references found

A=46

- ⁴⁶S 2009GA09 NUCLEAR REACTIONS ⁹Be(⁴⁶Cl, ⁴⁶S), (⁴⁸K, ⁴⁸Ar), E ≥ 85 MeV / nucleon; measured E γ , I γ , inclusive σ , yields, longitudinal momentum distributions; ⁴⁶S, ⁴⁸Ar; deduced level energies. Comparisons with Large-scale shell-model calculations using SDPF-NR effective interaction. JOUR PRLTA 102 182502
- ⁴⁶Sc 2009KH03 NUCLEAR REACTIONS Ti(p, x)⁴⁸V / ⁴³Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc, E=3.9-37.8 MeV; Measured E γ , I γ , production σ , yields using Stacked-foil activation technique. Compared results to model calculations using TALYS and ALICE-IPPE codes. JOUR ARISE 67 1348
- ⁴⁶Ti 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ⁴⁶V 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=47

- ⁴⁷Ca 2009MA16 NUCLEAR REACTIONS ⁹Be(⁴⁸Ca, n⁴⁷Ca), (⁵⁶Ti, n⁵⁵Ti), E=450 MeV / nucleon; measured σ , E γ , I γ , (recoil) γ -coin after Doppler correction, momentum distributions. ⁴⁷Ca, ⁵⁵Ti; deduced J, π , levels. Comparison with shell-model calculations. FRS with secondary beam and MINIBALL array. JOUR PYLBB 675 22
- ⁴⁷Sc 2009KH03 NUCLEAR REACTIONS Ti(p, x)⁴⁸V / ⁴³Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc, E=3.9-37.8 MeV; Measured E γ , I γ , production σ , yields using Stacked-foil activation technique. Compared results to model calculations using TALYS and ALICE-IPPE codes. JOUR ARISE 67 1348
- 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶ Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=48

- ⁴⁸Ar 2009GA09 NUCLEAR REACTIONS ⁹Be(⁴⁶Cl, ⁴⁶S), (⁴⁸K, ⁴⁸Ar), E ≥ 85 MeV / nucleon; measured E γ , I γ , inclusive σ , yields, longitudinal momentum distributions; ⁴⁶S, ⁴⁸Ar; deduced level energies. Comparisons with Large-scale shell-model calculations using SDPF-NR effective interaction. JOUR PRLTA 102 182502
- ⁴⁸Sc 2009KH03 NUCLEAR REACTIONS Ti(p, x)⁴⁸V / ⁴³Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc, E=3.9-37.8 MeV; Measured E γ , I γ , production σ , yields using Stacked-foil activation technique. Compared results to model calculations using TALYS and ALICE-IPPE codes. JOUR ARISE 67 1348

A=48 (continued)

- ⁴⁸V 2009KH03 NUCLEAR REACTIONS Ti(p, x)⁴⁸V / ⁴³Sc / ⁴⁴Sc / ⁴⁶Sc / ⁴⁷Sc / ⁴⁸Sc, E=3.9-37.8 MeV; Measured E γ , I γ , production σ , yields using Stacked-foil activation technique. Compared results to model calculations using TALYS and ALICE-IPPE codes. JOUR ARISE 67 1348
- 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶ Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=49

No references found

A=50

- ⁵⁰Cl 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁵⁰V 2009VE01 NUCLEAR REACTIONS ⁵¹V(γ , n), E=25.5 MeV; ⁵²Cr(γ , n), E=18.5, 21.0, 23.0 MeV; measured neutron emission spectra, cross sections. JOUR PANUE 72 387
- ⁵⁰Cr 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ⁵⁰Mn 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=51

- ⁵¹Cr 2009VE01 NUCLEAR REACTIONS ⁵¹V(γ , n), E=25.5 MeV; ⁵²Cr(γ , n), E=18.5, 21.0, 23.0 MeV; measured neutron emission spectra, cross sections. JOUR PANUE 72 387

A=52

No references found

A=53

- ⁵³Ar 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501

A=54

- ⁵⁴Fe 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ⁵⁴Co 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=55

- ⁵⁵K 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁵⁵Ti 2009MA16 NUCLEAR REACTIONS ⁹Be(⁴⁸Ca, n⁴⁷Ca), (⁵⁶Ti, n⁵⁵Ti), E=450 MeV / nucleon; measured σ , E γ , I γ , (recoil) γ -coin after Doppler correction, momentum distributions. ⁴⁷Ca, ⁵⁵Ti; deduced J, π , levels. Comparison with shell-model calculations. FRS with secondary beam and MINIBALL array. JOUR PYLBB 675 22

A=56

- ⁵⁶K 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501

A=57

- ⁵⁷Ca 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁵⁷Fe 2009V002 NUCLEAR REACTIONS ⁵⁵Mn(⁶Li, X), (⁷Li, X), E=15 MeV; ⁵⁹Co(d, p), (d, α), E=7.5 MeV; measured neutron and proton evaporation spectra, α spectra, σ . Hauser-Feshbach analysis. Comparison with predictions of constant temperature, Fermi-gas, and Hartree-Fock-BCS models. JOUR PRVCA 79 031301

A=58

- ⁵⁸Ca 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501

A=58 (continued)

- ⁵⁸Ni 2009SH19 NUCLEAR REACTIONS ⁵⁸Ni, ⁸⁹Y, ⁹⁰Zr, ¹²⁰Sn, ¹⁴²Nd, ¹⁶⁶Er, ²⁰⁸Pb(p, p'), E=200 MeV; measured proton spectra, angular distributions; deduced isoscalar giant quadrupole resonance (ISGQR) and associated E2 strength functions. Wavelet analysis. Comparisons with quasiparticle-phonon model (QPM), extended time-dependent Hartree-Fock method (ETDHF), random-phase approximation (RPA) and extended theory of finite Fermi systems (ETFFS). JOUR PRVCA 79 044305

A=59

- ⁵⁹Sc 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁵⁹Fe 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ, F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶ Measured Eγ, Iγ, fission yields. JOUR NIMBE 267 1891

A=60

- ⁶⁰Sc 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁶⁰Co 2009V002 NUCLEAR REACTIONS ⁵⁵Mn(⁶Li, X), (⁷Li, X), E=15 MeV; ⁵⁹Co(d, p), (d, α), E=7.5 MeV; measured neutron and proton evaporation spectra, α spectra, σ. Hauser-Feshbach analysis. Comparison with predictions of constant temperature, Fermi-gas, and Hartree-Fock-BCS models. JOUR PRVCA 79 031301

A=61

- ⁶¹Sc 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁶¹Co 2009PA16 RADIOACTIVITY ^{65,65m}Fe, ⁶⁵Co, ⁶⁷Fe(β⁻)[from ²³⁸U(p, F), E=30 MeV]; measured Eγ, Iγ, γγ-, βγ-coin, half-lives. ⁶⁵Co, ⁶⁵Ni, ⁶⁷Co; deduced levels, J, π, configurations. ^{61,63,65}Co; level systematics. Interpretation in terms of core coupled states with proton intruder orbitals. JOUR PRVCA 79 044309

A=62

- ⁶²Ti 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁶²Zn 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802
- ⁶²Ga 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=63

- ⁶³Ti 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁶³Co 2009PA16 RADIOACTIVITY ^{65,65m}Fe, ⁶⁵Co, ⁶⁷Fe(β^-)[from ²³⁸U(p, F), E=30 MeV]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, half-lives. ⁶⁵Co, ⁶⁵Ni, ⁶⁷Co; deduced levels, J, π , configurations. ^{61,63,65}Co; level systematics. Interpretation in terms of core coupled states with proton intruder orbitals. JOUR PRVCA 79 044309
- ⁶³Zn 2009BE16 NUCLEAR REACTIONS ²⁷Al(d, p), (d, 2p), (d, p α), E=3.38-20.18 MeV; ⁶³Cu(d, 2n), E=4-20 MeV; measured excitation functions. ²⁷Al(d, n), (d, 2n), (d, α), E<25 MeV; comparison of cross section data. Comparison with calculations from TALYS and ACSELAM computer codes, and experimental data. JOUR PRVCA 79 044610

A=64

No references found

A=65

- ⁶⁵V 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁶⁵Fe 2009PA16 RADIOACTIVITY ^{65,65m}Fe, ⁶⁵Co, ⁶⁷Fe(β^-)[from ²³⁸U(p, F), E=30 MeV]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, half-lives. ⁶⁵Co, ⁶⁵Ni, ⁶⁷Co; deduced levels, J, π , configurations. ^{61,63,65}Co; level systematics. Interpretation in terms of core coupled states with proton intruder orbitals. JOUR PRVCA 79 044309
- ⁶⁵Co 2009PA16 RADIOACTIVITY ^{65,65m}Fe, ⁶⁵Co, ⁶⁷Fe(β^-)[from ²³⁸U(p, F), E=30 MeV]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, half-lives. ⁶⁵Co, ⁶⁵Ni, ⁶⁷Co; deduced levels, J, π , configurations. ^{61,63,65}Co; level systematics. Interpretation in terms of core coupled states with proton intruder orbitals. JOUR PRVCA 79 044309

A=65 (continued)

- 2009PA16 NUCLEAR REACTIONS $^{238}\text{U}(^{64}\text{Ni}, \text{X})$, $E=430$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin. ^{65}Co ; deduced levels, J , π , configurations. JOUR PRVCA 79 044309
- ^{65}Ni 2009PA16 RADIOACTIVITY $^{65,65m}\text{Fe}$, ^{65}Co , $^{67}\text{Fe}(\beta^-)$ [from $^{238}\text{U}(\text{p}, \text{F})$, $E=30$ MeV]; measured E_γ , I_γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, half-lives. ^{65}Co , ^{65}Ni , ^{67}Co ; deduced levels, J , π , configurations. $^{61,63,65}\text{Co}$; level systematics. Interpretation in terms of core coupled states with proton intruder orbitals. JOUR PRVCA 79 044309
- ^{65}Zn 2009VA05 NUCLEAR REACTIONS $^{88}\text{Sr}(\text{p}, \text{n})$, $\text{Cu}(\text{p}, \text{x})$, $E=5\text{-}20$ MeV; ^{65}Zn ; Measured σ . SrCl_2 target. Ion exchange chromatographic methods. JOUR ARISE 67 1320

A=66

- ^{66}V 2009TA05 NUCLEAR REACTIONS $^9\text{Be}(^{76}\text{Ge}, \text{X})^{50}\text{Cl} / ^{53}\text{Ar} / ^{55}\text{K} / ^{56}\text{K} / ^{57}\text{Ca} / ^{58}\text{Ca} / ^{59}\text{Sc} / ^{60}\text{Sc} / ^{61}\text{Sc} / ^{62}\text{Ti} / ^{63}\text{Ti} / ^{65}\text{V} / ^{66}\text{V} / ^{68}\text{Cr} / ^{70}\text{Mn}$, $E=132$ MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501

A=67

- ^{67}Fe 2009PA16 RADIOACTIVITY $^{65,65m}\text{Fe}$, ^{65}Co , $^{67}\text{Fe}(\beta^-)$ [from $^{238}\text{U}(\text{p}, \text{F})$, $E=30$ MeV]; measured E_γ , I_γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, half-lives. ^{65}Co , ^{65}Ni , ^{67}Co ; deduced levels, J , π , configurations. $^{61,63,65}\text{Co}$; level systematics. Interpretation in terms of core coupled states with proton intruder orbitals. JOUR PRVCA 79 044309
- ^{67}Co 2009PA16 RADIOACTIVITY $^{65,65m}\text{Fe}$, ^{65}Co , $^{67}\text{Fe}(\beta^-)$ [from $^{238}\text{U}(\text{p}, \text{F})$, $E=30$ MeV]; measured E_γ , I_γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, half-lives. ^{65}Co , ^{65}Ni , ^{67}Co ; deduced levels, J , π , configurations. $^{61,63,65}\text{Co}$; level systematics. Interpretation in terms of core coupled states with proton intruder orbitals. JOUR PRVCA 79 044309
- ^{67}Cu 2009SZ01 NUCLEAR REACTIONS $^{68}\text{Zn}(\text{p}, 2\text{p})$, $E=19.2\text{-}39.7$ MeV; Measured σ ; compiled and evaluated earlier measurements. JOUR NIMBE 267 1877
- ^{67}Zn 2009OR01 NUCLEAR MOMENTS ^1H , ^{67}Zn ; measured dynamic nuclear polarization. JOUR PRBMD 79 165316

A=68

- ^{68}Cr 2009TA05 NUCLEAR REACTIONS $^9\text{Be}(^{76}\text{Ge}, \text{X})^{50}\text{Cl} / ^{53}\text{Ar} / ^{55}\text{K} / ^{56}\text{K} / ^{57}\text{Ca} / ^{58}\text{Ca} / ^{59}\text{Sc} / ^{60}\text{Sc} / ^{61}\text{Sc} / ^{62}\text{Ti} / ^{63}\text{Ti} / ^{65}\text{V} / ^{66}\text{V} / ^{68}\text{Cr} / ^{70}\text{Mn}$, $E=132$ MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ^{68}Se 2009SA12 ATOMIC MASSES $^{68,70}\text{Se}$, $^{70,71}\text{Kr}$; measured masses using a penning trap. JOUR PRLTA 102 132501

A=69

- ⁶⁹Ni 2009ST07 RADIOACTIVITY ⁷¹Co, ⁷¹Ni(β^-) [from ²³⁸U(p, X), E=30 MeV]; measured E γ , I γ , β , $\gamma\gamma$ -, $\beta\gamma$ -coin with laser on Co resonance, half-lives. ⁷¹Ni, ⁷¹Cu; deduced levels, J, π , configurations. ⁶⁹Ni, ⁶⁹Cu; systematics. JOUR PRVCA 79 044325
- ⁶⁹Cu 2009ST07 RADIOACTIVITY ⁷¹Co, ⁷¹Ni(β^-) [from ²³⁸U(p, X), E=30 MeV]; measured E γ , I γ , β , $\gamma\gamma$ -, $\beta\gamma$ -coin with laser on Co resonance, half-lives. ⁷¹Ni, ⁷¹Cu; deduced levels, J, π , configurations. ⁶⁹Ni, ⁶⁹Cu; systematics. JOUR PRVCA 79 044325
- ⁶⁹Zn 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶⁹Zn. Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=70

- ⁷⁰Mn 2009TA05 NUCLEAR REACTIONS ⁹Be(⁷⁶Ge, X)⁵⁰Cl / ⁵³Ar / ⁵⁵K / ⁵⁶K / ⁵⁷Ca / ⁵⁸Ca / ⁵⁹Sc / ⁶⁰Sc / ⁶¹Sc / ⁶²Ti / ⁶³Ti / ⁶⁵V / ⁶⁶V / ⁶⁸Cr / ⁷⁰Mn, E=132 MeV / nucleon; measured cross sections. JOUR PRLTA 102 142501
- ⁷⁰Ni 2009ST05 NUCLEAR REACTIONS ²³⁸U(⁶⁴Ni, X), E=430 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁷¹Cu; deduced levels, J, π , configurations. ⁷⁰Ni, ⁷¹Cu, ⁹²Mo; level systematics. Comparison with shell-model calculations. JOUR PRVCA 79 034319
- ⁷⁰Se 2009SA12 ATOMIC MASSES ^{68,70}Se, ^{70,71}Kr; measured masses using a penning trap. JOUR PRLTA 102 132501
- ⁷⁰Kr 2009SA12 ATOMIC MASSES ^{68,70}Se, ^{70,71}Kr; measured masses using a penning trap. JOUR PRLTA 102 132501

A=71

- ⁷¹Co 2009ST07 RADIOACTIVITY ⁷¹Co, ⁷¹Ni(β^-) [from ²³⁸U(p, X), E=30 MeV]; measured E γ , I γ , β , $\gamma\gamma$ -, $\beta\gamma$ -coin with laser on Co resonance, half-lives. ⁷¹Ni, ⁷¹Cu; deduced levels, J, π , configurations. ⁶⁹Ni, ⁶⁹Cu; systematics. JOUR PRVCA 79 044325
- ⁷¹Ni 2009ST07 RADIOACTIVITY ⁷¹Co, ⁷¹Ni(β^-) [from ²³⁸U(p, X), E=30 MeV]; measured E γ , I γ , β , $\gamma\gamma$ -, $\beta\gamma$ -coin with laser on Co resonance, half-lives. ⁷¹Ni, ⁷¹Cu; deduced levels, J, π , configurations. ⁶⁹Ni, ⁶⁹Cu; systematics. JOUR PRVCA 79 044325
- ⁷¹Cu 2009ST05 NUCLEAR REACTIONS ²³⁸U(⁶⁴Ni, X), E=430 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁷¹Cu; deduced levels, J, π , configurations. ⁷⁰Ni, ⁷¹Cu, ⁹²Mo; level systematics. Comparison with shell-model calculations. JOUR PRVCA 79 034319
- 2009ST07 RADIOACTIVITY ⁷¹Co, ⁷¹Ni(β^-) [from ²³⁸U(p, X), E=30 MeV]; measured E γ , I γ , β , $\gamma\gamma$ -, $\beta\gamma$ -coin with laser on Co resonance, half-lives. ⁷¹Ni, ⁷¹Cu; deduced levels, J, π , configurations. ⁶⁹Ni, ⁶⁹Cu; systematics. JOUR PRVCA 79 044325

A=71 (continued)

⁷¹Kr 2009SA12 ATOMIC MASSES ^{68,70}Se, ^{70,71}Kr; measured masses using a penning trap. JOUR PRLTA 102 132501

A=72

⁷²Zn 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=73

No references found

A=74

⁷⁴As 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

⁷⁴Kr 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

⁷⁴Rb 2009ER02 error - unable to convert to LaTeX : Illegal close bracket JOUR PRVCA 79 032802

A=75

⁷⁵Se 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

⁷⁵Rb 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

⁷⁵Sr 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=76

⁷⁶Cu 2009WI03 RADIOACTIVITY ^{76,77,78}Cu, ⁸³Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502

A=76 (continued)

⁷⁶ Zn	2009WI03	RADIOACTIVITY ^{76,77,78} Cu, ⁸³ Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502
⁷⁶ Y	2007WEZX	RADIOACTIVITY ⁷⁵ Sr, ^{77,78} Y, ^{79,80} Zr, ^{83,84} Mo, ^{88,89} Ru, ^{92,93} Pd, ⁸⁶ Tc, ⁹⁰ Rh, ^{94,98} In(EC); measured half-lives; ⁷⁶ Y, ⁷⁸ Zr, ⁸¹ Nb, ⁸⁵ Tc(p); deduced half-life limits; ⁷⁸ Y, ⁸² Nb, ⁸⁶ Tc, ⁹⁰ Rh, ⁹⁴ Ag, ⁹⁸ In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=77

⁷⁷ Cu	2009WI03	RADIOACTIVITY ^{76,77,78} Cu, ⁸³ Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502
⁷⁷ Zn	2009WI03	RADIOACTIVITY ^{76,77,78} Cu, ⁸³ Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502
⁷⁷ Ge	2009KAZZ	NUCLEAR REACTIONS ⁷⁶ Ge(¹³ C, ¹² C), E=29 MeV; measured E γ , I γ , $\gamma\gamma$ -, (fragment) γ -coin, $\gamma(\gamma)$; ⁷⁷ Ge; deduced levels, J, π , multipolarity, mixing ratio. PC B P Kay,6/10/2009
⁷⁷ Br	2009NA10	NUCLEAR REACTIONS ²⁰⁹ Bi(γ , F), E=2.5 GeV; ⁴⁷ Sc; ⁴⁸ V; ⁵⁹ Fe; ⁷² Zn; ⁷⁵ Se; ⁷⁷ Br; ⁸³ Rb; ⁸⁵ Kr; ⁸⁷ Y; ⁸⁸ Kr; ⁸⁸ Zr; ⁸⁹ Zr; ⁹¹ Sr; ⁹² Sr; ⁹⁵ Zr; ⁹⁷ Zr; ⁹⁹ Mo; ⁹⁹ Rh; ¹⁰³ Ru; ¹⁰⁵ Ru; ¹⁰⁵ Rh; ¹⁰⁵ Ag; ¹¹¹ Ag; ¹¹¹ In; ¹¹² Ag; ¹¹⁵ Cd; ¹¹⁷ Cd; ¹²¹ Te; ¹²⁹ Sb; ⁶
⁷⁷ Sr	2007WEZX	Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891 RADIOACTIVITY ⁷⁵ Sr, ^{77,78} Y, ^{79,80} Zr, ^{83,84} Mo, ^{88,89} Ru, ^{92,93} Pd, ⁸⁶ Tc, ⁹⁰ Rh, ^{94,98} In(EC); measured half-lives; ⁷⁶ Y, ⁷⁸ Zr, ⁸¹ Nb, ⁸⁵ Tc(p); deduced half-life limits; ⁷⁸ Y, ⁸² Nb, ⁸⁶ Tc, ⁹⁰ Rh, ⁹⁴ Ag, ⁹⁸ In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
⁷⁷ Y	2007WEZX	RADIOACTIVITY ⁷⁵ Sr, ^{77,78} Y, ^{79,80} Zr, ^{83,84} Mo, ^{88,89} Ru, ^{92,93} Pd, ⁸⁶ Tc, ⁹⁰ Rh, ^{94,98} In(EC); measured half-lives; ⁷⁶ Y, ⁷⁸ Zr, ⁸¹ Nb, ⁸⁵ Tc(p); deduced half-life limits; ⁷⁸ Y, ⁸² Nb, ⁸⁶ Tc, ⁹⁰ Rh, ⁹⁴ Ag, ⁹⁸ In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=78

⁷⁸ Cu	2009WI03	RADIOACTIVITY ^{76,77,78} Cu, ⁸³ Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502
⁷⁸ Zn	2009WI03	RADIOACTIVITY ^{76,77,78} Cu, ⁸³ Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502
⁷⁸ As	2009ZH15	NUCLEAR REACTIONS ⁷⁹ Br(n, 2n), E=14.6 MeV; ⁸¹ Br(n, 2n), (n, p), (n, α), E=13.5-14.6 MeV; Measured E γ , I γ , σ . Neutron activation, K-400 Intense Neutron Generator. JOUR ANEND 36 874
⁷⁸ Br	2009ZH15	NUCLEAR REACTIONS ⁷⁹ Br(n, 2n), E=14.6 MeV; ⁸¹ Br(n, 2n), (n, p), (n, α), E=13.5-14.6 MeV; Measured E γ , I γ , σ . Neutron activation, K-400 Intense Neutron Generator. JOUR ANEND 36 874
⁷⁸ Sr	2007WEZX	RADIOACTIVITY ⁷⁵ Sr, ^{77,78} Y, ^{79,80} Zr, ^{83,84} Mo, ^{88,89} Ru, ^{92,93} Pd, ⁸⁶ Tc, ⁹⁰ Rh, ^{94,98} In(EC); measured half-lives; ⁷⁶ Y, ⁷⁸ Zr, ⁸¹ Nb, ⁸⁵ Tc(p); deduced half-life limits; ⁷⁸ Y, ⁸² Nb, ⁸⁶ Tc, ⁹⁰ Rh, ⁹⁴ Ag, ⁹⁸ In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=78 (continued)

- ⁷⁸Y 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁷⁸Zr 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=79

- ⁷⁹Y 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁷⁹Zr 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=80

- ⁸⁰Br 2009ZH15 NUCLEAR REACTIONS ⁷⁹Br(n, 2n), E=14.6 MeV; ⁸¹Br(n, 2n), (n, p), (n, α), E=13.5-14.6 MeV; Measured E γ , I γ , σ . Neutron activation, K-400 Intense Neutron Generator. JOUR ANEND 36 874
- ⁸⁰Y 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁸⁰Zr 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=81

- ⁸¹Se 2009P004 NUCLEAR REACTIONS ²⁰⁸Pb(¹⁸O, X)⁸¹Se / ⁸²Se / ⁸³Se / ⁸⁵Se, E=85 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{81,82,83,85}Se; deduced high-spin levels, J, π , configurations. Comparison with systematics. Euroball IV array. JOUR ZAANE 39 295
- 2009ZH15 NUCLEAR REACTIONS ⁷⁹Br(n, 2n), E=14.6 MeV; ⁸¹Br(n, 2n), (n, p), (n, α), E=13.5-14.6 MeV; Measured E γ , I γ , σ . Neutron activation, K-400 Intense Neutron Generator. JOUR ANEND 36 874

A=81 (continued)

⁸¹Nb 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=82

⁸²Se 2009P004 NUCLEAR REACTIONS ²⁰⁸Pb(¹⁸O, X)⁸¹Se / ⁸²Se / ⁸³Se / ⁸⁵Se, E=85 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{81,82,83,85}Se; deduced high-spin levels, J, π , configurations. Comparison with systematics. Euroball IV array. JOUR ZAANE 39 295

⁸²Br 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

⁸²Zr 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

⁸²Nb 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=83

⁸³Ga 2009WI03 RADIOACTIVITY ^{76,77,78}Cu, ⁸³Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502

⁸³Ge 2009WI03 RADIOACTIVITY ^{76,77,78}Cu, ⁸³Ga(β^-); measured β -delayed neutron emission probabilities. JOUR PRLTA 102 142502

⁸³Se 2009P004 NUCLEAR REACTIONS ²⁰⁸Pb(¹⁸O, X)⁸¹Se / ⁸²Se / ⁸³Se / ⁸⁵Se, E=85 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{81,82,83,85}Se; deduced high-spin levels, J, π , configurations. Comparison with systematics. Euroball IV array. JOUR ZAANE 39 295

⁸³Rb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

⁸³Nb 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

⁸³Mo 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=84

- ⁸⁴Rb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶⁰Zn; Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁸⁴Sr 2009SA17 NUCLEAR REACTIONS ⁸⁶Sr(p, n), ⁸⁵Rb(³He, 2n), (α , 3n), E=6-15 MeV; measured σ . ⁸⁶Sr(p, Xn), ⁸⁶Sr(d, Xn), ⁸⁵Rb(α , Xn), ⁸⁵Rb(³He, Xn), Zr(d, α xn), E=6-15 MeV; Calculated σ , production yield using Alice-ASH code; ^{86,85}Y, ^{84,85,86}Sr; calculated excitation functions. JOUR ARISE 67 1392
- ⁸⁴Nb 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁸⁴Mo 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=85

- ⁸⁵Se 2009P004 NUCLEAR REACTIONS ²⁰⁸Pb(¹⁸O, X)⁸¹Se / ⁸²Se / ⁸³Se / ⁸⁵Se, E=85 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{81,82,83,85}Se; deduced high-spin levels, J, π , configurations. Comparison with systematics. Euroball IV array. JOUR ZAANE 39 295
- ⁸⁵Kr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶⁰Zn; Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁸⁵Sr 2009SA17 NUCLEAR REACTIONS ⁸⁶Sr(p, n), ⁸⁵Rb(³He, 2n), (α , 3n), E=6-15 MeV; measured σ . ⁸⁶Sr(p, Xn), ⁸⁶Sr(d, Xn), ⁸⁵Rb(α , Xn), ⁸⁵Rb(³He, Xn), Zr(d, α xn), E=6-15 MeV; Calculated σ , production yield using Alice-ASH code; ^{86,85}Y, ^{84,85,86}Sr; calculated excitation functions. JOUR ARISE 67 1392
- ⁸⁵Y 2009SA17 NUCLEAR REACTIONS ⁸⁶Sr(p, n), ⁸⁵Rb(³He, 2n), (α , 3n), E=6-15 MeV; measured σ . ⁸⁶Sr(p, Xn), ⁸⁶Sr(d, Xn), ⁸⁵Rb(α , Xn), ⁸⁵Rb(³He, Xn), Zr(d, α xn), E=6-15 MeV; Calculated σ , production yield using Alice-ASH code; ^{86,85}Y, ^{84,85,86}Sr; calculated excitation functions. JOUR ARISE 67 1392
- ⁸⁵Tc 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=86

- ⁸⁶Sr 2009SA17 NUCLEAR REACTIONS ⁸⁶Sr(p, n), ⁸⁵Rb(³He, 2n), (α , 3n), E=6-15 MeV; measured σ . ⁸⁶Sr(p, Xn), ⁸⁶Sr(d, Xn), ⁸⁵Rb(α , Xn), ⁸⁵Rb(³He, Xn), Zr(d, α xn), E=6-15 MeV; Calculated σ , production yield using Alice-ASH code; ^{86,85}Y, ^{84,85,86}Sr; calculated excitation functions. JOUR ARISE 67 1392
- ⁸⁶Y 2009SA17 NUCLEAR REACTIONS ⁸⁶Sr(p, n), ⁸⁵Rb(³He, 2n), (α , 3n), E=6-15 MeV; measured σ . ⁸⁶Sr(p, Xn), ⁸⁶Sr(d, Xn), ⁸⁵Rb(α , Xn), ⁸⁵Rb(³He, Xn), Zr(d, α xn), E=6-15 MeV; Calculated σ , production yield using Alice-ASH code; ^{86,85}Y, ^{84,85,86}Sr; calculated excitation functions. JOUR ARISE 67 1392
- ⁸⁶Mo 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁸⁶Tc 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=87

- ⁸⁷Y 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc, ⁴⁸V, ⁵⁹Fe, ⁷²Zn, ⁷⁵Se, ⁷⁷Br, ⁸³Rb, ⁸⁵Kr, ⁸⁷Y, ⁸⁸Kr, ⁸⁸Zr, ⁸⁹Zr, ⁹¹Sr, ⁹²Sr; ⁹⁵Zr, ⁹⁷Zr, ⁹⁹Mo, ⁹⁹Rh, ¹⁰³Ru, ¹⁰⁵Ru, ¹⁰⁵Rh, ¹⁰⁵Ag, ¹¹¹Ag, ¹¹¹In, ¹¹²Ag, ¹¹⁵Cd, ¹¹⁷Cd, ¹²¹Te, ¹²⁹Sb, ⁶⁰Co; Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV; ⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd, ¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR PPNLA 6 126

A=88

- ⁸⁸Kr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc, ⁴⁸V, ⁵⁹Fe, ⁷²Zn, ⁷⁵Se, ⁷⁷Br, ⁸³Rb, ⁸⁵Kr, ⁸⁷Y, ⁸⁸Kr, ⁸⁸Zr, ⁸⁹Zr, ⁹¹Sr, ⁹²Sr; ⁹⁵Zr, ⁹⁷Zr, ⁹⁹Mo, ⁹⁹Rh, ¹⁰³Ru, ¹⁰⁵Ru, ¹⁰⁵Rh, ¹⁰⁵Ag, ¹¹¹Ag, ¹¹¹In, ¹¹²Ag, ¹¹⁵Cd, ¹¹⁷Cd, ¹²¹Te, ¹²⁹Sb, ⁶⁰Co; Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁸⁸Y 2009VA05 NUCLEAR REACTIONS ⁸⁸Sr(p, n), Cu(p, x), E=5-20 MeV; ⁶⁵Zn; Measured σ . SrCl₂ target. Ion exchange chromatographic methods. JOUR ARISE 67 1320
- ⁸⁸Zr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc, ⁴⁸V, ⁵⁹Fe, ⁷²Zn, ⁷⁵Se, ⁷⁷Br, ⁸³Rb, ⁸⁵Kr, ⁸⁷Y, ⁸⁸Kr, ⁸⁸Zr, ⁸⁹Zr, ⁹¹Sr, ⁹²Sr; ⁹⁵Zr, ⁹⁷Zr, ⁹⁹Mo, ⁹⁹Rh, ¹⁰³Ru, ¹⁰⁵Ru, ¹⁰⁵Rh, ¹⁰⁵Ag, ¹¹¹Ag, ¹¹¹In, ¹¹²Ag, ¹¹⁵Cd, ¹¹⁷Cd, ¹²¹Te, ¹²⁹Sb, ⁶⁰Co; Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁸⁸Tc 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=88 (continued)

⁸⁸Ru 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=89

⁸⁹Y 2009SH19 NUCLEAR REACTIONS ⁵⁸Ni, ⁸⁹Y, ⁹⁰Zr, ¹²⁰Sn, ¹⁴²Nd, ¹⁶⁶Er, ²⁰⁸Pb(p, p'), E=200 MeV; measured proton spectra, angular distributions; deduced isoscalar giant quadrupole resonance (ISGQR) and associated E2 strength functions. Wavelet analysis. Comparisons with quasiparticle-phonon model (QPM), extended time-dependent Hartree-Fock method (ETDHF), random-phase approximation (RPA) and extended theory of finite Fermi systems (ETFFS). JOUR PRVCA 79 044305

⁸⁹Zr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

⁸⁹Tc 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

⁸⁹Ru 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=90

⁹⁰Sr 2009ZH11 NUCLEAR REACTIONS ¹⁶O(⁸²Se, 4n), (⁸²Se, 3n), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ^{94,95}Mo; deduced levels, J, π , configurations. Comparisons with shell-model calculations. ⁹⁰Sr, ⁹²Mo; level systematics. JOUR PRVCA 79 044316

⁹⁰Y 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

⁹⁰Zr 2009SH19 NUCLEAR REACTIONS ⁵⁸Ni, ⁸⁹Y, ⁹⁰Zr, ¹²⁰Sn, ¹⁴²Nd, ¹⁶⁶Er, ²⁰⁸Pb(p, p'), E=200 MeV; measured proton spectra, angular distributions; deduced isoscalar giant quadrupole resonance (ISGQR) and associated E2 strength functions. Wavelet analysis. Comparisons with quasiparticle-phonon model (QPM), extended time-dependent Hartree-Fock method (ETDHF), random-phase approximation (RPA) and extended theory of finite Fermi systems (ETFFS). JOUR PRVCA 79 044305

A=90 (continued)

- ⁹⁰Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- ⁹⁰Ru 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁹⁰Rh 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=91

- ⁹¹Sr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁹¹Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23

A=92

- ⁹²Sr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁹²Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- 2009ST05 NUCLEAR REACTIONS ²³⁸U(⁶⁴Ni, X), E=430 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁷¹Cu; deduced levels, J, π , configurations. ⁷⁰Ni, ⁷¹Cu, ⁹²Mo; level systematics. Comparison with shell-model calculations. JOUR PRVCA 79 034319
- 2009ZH11 NUCLEAR REACTIONS ¹⁶O(⁸²Se, 4n), (⁸²Se, 3n), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ^{94,95}Mo; deduced levels, J, π , configurations. Comparisons with shell-model calculations. ⁹⁰Sr, ⁹²Mo; level systematics. JOUR PRVCA 79 044316
- ⁹²Rh 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁹²Pd 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=93

- ⁹³Rh 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁹³Pd 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=94

- ⁹⁴Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- 2009ZH11 NUCLEAR REACTIONS ¹⁶O(⁸²Se, 4n), (⁸²Se, 3n), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ^{94,95}Mo; deduced levels, J, π , configurations. Comparisons with shell-model calculations. ⁹⁰Sr, ⁹²Mo; level systematics. JOUR PRVCA 79 044316
- ⁹⁴Pd 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁹⁴Ag 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁹⁴Cd 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
- ⁹⁴In 2007WEZX RADIOACTIVITY ⁷⁵Sr, ^{77,78}Y, ^{79,80}Zr, ^{83,84}Mo, ^{88,89}Ru, ^{92,93}Pd, ⁸⁶Tc, ⁹⁰Rh, ^{94,98}In(EC); measured half-lives; ⁷⁶Y, ⁷⁸Zr, ⁸¹Nb, ⁸⁵Tc(p); deduced half-life limits; ⁷⁸Y, ⁸²Nb, ⁸⁶Tc, ⁹⁰Rh, ⁹⁴Ag, ⁹⁸In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=95

- ⁹⁵Y 2009UR02 RADIOACTIVITY ²⁴⁸Cm, ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$, half-lives. ⁹⁵Y; deduced levels, J, π , isomers, configurations. Comparisons with shell-model calculations. JOUR PRVCA 79 044304
- 2009UR02 NUCLEAR REACTIONS ²³⁸U(n, F), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin, half-lives. ⁹⁵Y; deduced levels, J, π , isomers. JOUR PRVCA 79 044304
- ⁹⁵Zr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc, ⁴⁸V, ⁵⁹Fe, ⁷²Zn, ⁷⁵Se, ⁷⁷Br, ⁸³Rb, ⁸⁵Kr, ⁸⁷Y, ⁸⁸Kr, ⁸⁸Zr, ⁸⁹Zr, ⁹¹Sr, ⁹²Sr; ⁹⁵Zr, ⁹⁷Zr, ⁹⁹Mo, ⁹⁹Rh, ¹⁰³Ru, ¹⁰⁵Ru, ¹⁰⁵Rh, ¹⁰⁵Ag, ¹¹¹Ag, ¹¹¹In, ¹¹²Ag, ¹¹⁵Cd, ¹¹⁷Cd, ¹²¹Te, ¹²⁹Sb, ⁶⁰Co; Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=95 (continued)

- ⁹⁵Nb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶

Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV;
⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd,
¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR
PPNLA 6 126
- ⁹⁵Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo;
measured hfs; deduced hyperfine structure coefficients, charge radius,
magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- 2009ZH11 NUCLEAR REACTIONS ¹⁶O(⁸²Se, 4n), (⁸²Se, 3n), E=460 MeV;
measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ^{94,95}Mo; deduced
levels, J, π , configurations. Comparisons with shell-model calculations.
⁹⁰Sr, ⁹²Mo; level systematics. JOUR PRVCA 79 044316
- ⁹⁵Tc 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶

Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=96

- ⁹⁶Nb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶

Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁹⁶Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo;
measured hfs; deduced hyperfine structure coefficients, charge radius,
magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- ⁹⁶Tc 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶

Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=97

- ⁹⁷Zr 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶

Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ⁹⁷Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo;
measured hfs; deduced hyperfine structure coefficients, charge radius,
magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23

A=98

⁹⁸ Mo	2009CH09	NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108} Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
⁹⁸ Cd	2007WEZX	RADIOACTIVITY ⁷⁵ Sr, ^{77,78} Y, ^{79,80} Zr, ^{83,84} Mo, ^{88,89} Ru, ^{92,93} Pd, ⁸⁶ Tc, ⁹⁰ Rh, ^{94,98} In(EC); measured half-lives; ⁷⁶ Y, ⁷⁸ Zr, ⁸¹ Nb, ⁸⁵ Tc(p); deduced half-life limits; ⁷⁸ Y, ⁸² Nb, ⁸⁶ Tc, ⁹⁰ Rh, ⁹⁴ Ag, ⁹⁸ In(EC); deduced q-values. PREPRINT Wefers,10/04/2007
⁹⁸ In	2007WEZX	RADIOACTIVITY ⁷⁵ Sr, ^{77,78} Y, ^{79,80} Zr, ^{83,84} Mo, ^{88,89} Ru, ^{92,93} Pd, ⁸⁶ Tc, ⁹⁰ Rh, ^{94,98} In(EC); measured half-lives; ⁷⁶ Y, ⁷⁸ Zr, ⁸¹ Nb, ⁸⁵ Tc(p); deduced half-life limits; ⁷⁸ Y, ⁸² Nb, ⁸⁶ Tc, ⁹⁰ Rh, ⁹⁴ Ag, ⁹⁸ In(EC); deduced q-values. PREPRINT Wefers,10/04/2007

A=99

⁹⁹ Zr	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^-n)[from ⁹ Be(¹³⁶ Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
⁹⁹ Mo	2009NA10	NUCLEAR REACTIONS ²⁰⁹ Bi(γ , F), E=2.5 GeV; ⁴⁷ Sc; ⁴⁸ V; ⁵⁹ Fe; ⁷² Zn; ⁷⁵ Se; ⁷⁷ Br; ⁸³ Rb; ⁸⁵ Kr; ⁸⁷ Y; ⁸⁸ Kr; ⁸⁸ Zr; ⁸⁹ Zr; ⁹¹ Sr; ⁹² Sr; ⁹⁵ Zr; ⁹⁷ Zr; ⁹⁹ Mo; ⁹⁹ Rh; ¹⁰³ Ru; ¹⁰⁵ Ru; ¹⁰⁵ Rh; ¹⁰⁵ Ag; ¹¹¹ Ag; ¹¹¹ In; ¹¹² Ag; ¹¹⁵ Cd; ¹¹⁷ Cd; ¹²¹ Te; ¹²⁹ Sb; ⁶ Li
⁹⁹ Rh	2009NA10	NUCLEAR REACTIONS ²⁰⁹ Bi(γ , F), E=2.5 GeV; ⁴⁷ Sc; ⁴⁸ V; ⁵⁹ Fe; ⁷² Zn; ⁷⁵ Se; ⁷⁷ Br; ⁸³ Rb; ⁸⁵ Kr; ⁸⁷ Y; ⁸⁸ Kr; ⁸⁸ Zr; ⁸⁹ Zr; ⁹¹ Sr; ⁹² Sr; ⁹⁵ Zr; ⁹⁷ Zr; ⁹⁹ Mo; ⁹⁹ Rh; ¹⁰³ Ru; ¹⁰⁵ Ru; ¹⁰⁵ Rh; ¹⁰⁵ Ag; ¹¹¹ Ag; ¹¹¹ In; ¹¹² Ag; ¹¹⁵ Cd; ¹¹⁷ Cd; ¹²¹ Te; ¹²⁹ Sb; ⁶ Li Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=100

¹⁰⁰ Y	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^-n)[from ⁹ Be(¹³⁶ Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
¹⁰⁰ Zr	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^-n)[from ⁹ Be(¹³⁶ Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=100 (continued)

- ¹⁰⁰Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- 2009KI04 RADIOACTIVITY ¹⁰⁰Mo($2\beta^-$); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$ for double-beta decay to excited states. JOUR NUPAB 821 251
- ¹⁰⁰Ru 2009KI04 RADIOACTIVITY ¹⁰⁰Mo($2\beta^-$); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$ for double-beta decay to excited states. JOUR NUPAB 821 251
- ¹⁰⁰Pd 2009RA06 NUCLEAR REACTIONS ⁹⁹Ru(³He, 2n), E=17 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ¹⁰⁰Pd; deduced J, π , level energies, branching and mixing ratios. Comparison with model calculations. JOUR NUPAB 821 1

A=101

- ¹⁰¹Y 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^-n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰¹Zr 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^-n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰¹Rh 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶ Measured $E\gamma$, $I\gamma$, fission yields. JOUR NIMBE 267 1891

A=102

- ¹⁰²Y 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^-n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=102 (continued)

- ¹⁰²Zr 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- -n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰²Nb 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- -n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰²Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23

A=103

- ¹⁰³Y 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- -n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰³Zr 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- -n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰³Nb 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- -n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰³Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- ¹⁰³Ru 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc, ⁴⁸V, ⁵⁹Fe, ⁷²Zn, ⁷⁵Se, ⁷⁷Br, ⁸³Rb, ⁸⁵Kr, ⁸⁷Y, ⁸⁸Kr, ⁸⁸Zr, ⁸⁹Zr, ⁹¹Sr, ⁹²Sr; ⁹⁵Zr, ⁹⁷Zr, ⁹⁹Mo, ⁹⁹Rh, ¹⁰³Ru, ¹⁰⁵Ru, ¹⁰⁵Rh, ¹⁰⁵Ag, ¹¹¹Ag, ¹¹¹In, ¹¹²Ag, ¹¹⁵Cd, ¹¹⁷Cd, ¹²¹Te, ¹²⁹Sb, ⁶⁰Me; Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=104

- ¹⁰⁴Y 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁴Zr 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁴Nb 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁴Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- ¹⁰⁴Ag 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV; ⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd, ¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR PPNLA 6 126

A=105

- ¹⁰⁵Y 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁵Zr 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=105 (continued)

105Nb	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^-n)[from ⁹ Be(¹³⁶ Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
105Mo	2009CH09	NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108} Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^-n)[from ⁹ Be(¹³⁶ Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
105Ru	2009NA10	NUCLEAR REACTIONS ²⁰⁹ Bi(γ , F), E=2.5 GeV; ⁴⁷ Sc; ⁴⁸ V; ⁵⁹ Fe; ⁷² Zn; ⁷⁵ Se; ⁷⁷ Br; ⁸³ Rb; ⁸⁵ Kr; ⁸⁷ Y; ⁸⁸ Kr; ⁸⁸ Zr; ⁸⁹ Zr; ⁹¹ Sr; ⁹² Sr; ⁹⁵ Zr; ⁹⁷ Zr; ⁹⁹ Mo; ⁹⁹ Rh; ¹⁰³ Ru; ¹⁰⁵ Ru; ¹⁰⁵ Rh; ¹⁰⁵ Ag; ¹¹¹ Ag; ¹¹¹ In; ¹¹² Ag; ¹¹⁵ Cd; ¹¹⁷ Cd; ¹²¹ Te; ¹²⁹ Sb; ⁶ Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
105Rh	2009NA10	NUCLEAR REACTIONS ²⁰⁹ Bi(γ , F), E=2.5 GeV; ⁴⁷ Sc; ⁴⁸ V; ⁵⁹ Fe; ⁷² Zn; ⁷⁵ Se; ⁷⁷ Br; ⁸³ Rb; ⁸⁵ Kr; ⁸⁷ Y; ⁸⁸ Kr; ⁸⁸ Zr; ⁸⁹ Zr; ⁹¹ Sr; ⁹² Sr; ⁹⁵ Zr; ⁹⁷ Zr; ⁹⁹ Mo; ⁹⁹ Rh; ¹⁰³ Ru; ¹⁰⁵ Ru; ¹⁰⁵ Rh; ¹⁰⁵ Ag; ¹¹¹ Ag; ¹¹¹ In; ¹¹² Ag; ¹¹⁵ Cd; ¹¹⁷ Cd; ¹²¹ Te; ¹²⁹ Sb; ⁶ Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
105Ag	2009NA10	NUCLEAR REACTIONS ²⁰⁹ Bi(γ , F), E=2.5 GeV; ⁴⁷ Sc; ⁴⁸ V; ⁵⁹ Fe; ⁷² Zn; ⁷⁵ Se; ⁷⁷ Br; ⁸³ Rb; ⁸⁵ Kr; ⁸⁷ Y; ⁸⁸ Kr; ⁸⁸ Zr; ⁸⁹ Zr; ⁹¹ Sr; ⁹² Sr; ⁹⁵ Zr; ⁹⁷ Zr; ⁹⁹ Mo; ⁹⁹ Rh; ¹⁰³ Ru; ¹⁰⁵ Ru; ¹⁰⁵ Rh; ¹⁰⁵ Ag; ¹¹¹ Ag; ¹¹¹ In; ¹¹² Ag; ¹¹⁵ Cd; ¹¹⁷ Cd; ¹²¹ Te; ¹²⁹ Sb; ⁶ Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=106

106Zr	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^-n)[from ⁹ Be(¹³⁶ Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
106Nb	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^-n)[from ⁹ Be(¹³⁶ Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=106 (continued)

- ¹⁰⁶Mo 2009CH09 NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108}Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
- 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁶Ag 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=107

- ¹⁰⁷Zr 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁷Nb 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁷Mo 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁷Tc 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=108

^{108}Nb	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^- -n)[from $^9\text{Be}(^{136}\text{Xe}, \text{X})$, E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
^{108}Mo	2009CH09	NUCLEAR MOMENTS ^{90,91,92,94,95,96,97,98,100,102,103,104,105,106,108} Mo; measured hfs; deduced hyperfine structure coefficients, charge radius, magnetic moment. Collinear laser spectroscopy. JOUR PYLBB 674 23
	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^- -n)[from $^9\text{Be}(^{136}\text{Xe}, \text{X})$, E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
^{108}Tc	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^- -n)[from $^9\text{Be}(^{136}\text{Xe}, \text{X})$, E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
^{108}Ru	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^- -n)[from $^9\text{Be}(^{136}\text{Xe}, \text{X})$, E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=109

^{109}Nb	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^- -n)[from $^9\text{Be}(^{136}\text{Xe}, \text{X})$, E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
^{109}Mo	2009PE06	RADIOACTIVITY ^{100,101,102,103,104,105} Y, ^{103,104,105,106,107} Zr, ^{106,107,108,109} Nb, ^{108,109,110,111} Mo, ^{109,110,111,112,113} Tc(β^-), (β^- -n)[from $^9\text{Be}(^{136}\text{Xe}, \text{X})$, E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=109 (continued)

- ¹⁰⁹Tc 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹⁰⁹Ru 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=110

- ¹¹⁰Mo 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹⁰Tc 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹⁰Ru 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹⁰Pd 2009HU03 NUCLEAR REACTIONS ¹¹⁰Pd(²⁹Na, ²⁹Na'), E=70 MeV; measured E γ , I γ , (particle) γ -coin, charged-particle spectra following Coulomb excitation; deduced σ . ²⁹Na; deduced B(E2). Comparison with shell model. JOUR PYLBB 674 168
- ¹¹⁰In 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV; ⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd, ¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR PPNLA 6 126

A=111

- ¹¹¹Mo 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹¹Tc 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹¹Ru 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹¹Ag 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ¹¹¹In 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- 2009TS04 NUCLEAR REACTIONS ¹⁰⁹Ag(α , 2n), E=30 MeV; Measured E γ , I γ (θ , t), $\gamma\gamma$ -coin; deduced nuclear quadrupole hyperfine interaction parameters in UGe2 and UAl2 compounds; Deduced hyperfine structure. Time dependent perturbed angular correlation method. JOUR JTPLA 89 280

A=112

- ¹¹²Tc 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=112 (continued)

- ¹¹²Ru 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹²Ag 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=113

- ¹¹³Tc 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806
- ¹¹³Ru 2009PE06 RADIOACTIVITY ^{100,101,102,103,104,105}Y, ^{103,104,105,106,107}Zr, ^{106,107,108,109}Nb, ^{108,109,110,111}Mo, ^{109,110,111,112,113}Tc(β^-), (β^- n)[from ⁹Be(¹³⁶Xe, X), E=120 MeV / nucleon]; measured fragments, neutrons, β , (fragment) β -coin, half-lives; deduced delayed neutron-emission probabilities. Comparisons with quasiparticle random phase approximation (QRPA03 and QRPA06) calculations. Discussed relevance to r-process nuclei. JOUR PRVCA 79 035806

A=114

- ¹¹⁴In 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=115

- ¹¹⁵Cd 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV; ⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd, ¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR PPNLA 6 126

A=116

No references found

A=117

- ¹¹⁷Cd 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV; ⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr; ⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Li
- Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ¹¹⁷In 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV; ⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd, ¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR PPNLA 6 126
- ¹¹⁷Sn 2009AG03 NUCLEAR REACTIONS ¹¹⁷Sn(³He, ³He'), E=38 MeV; measured E γ , I γ , 7radiative strength function. ¹¹⁷Sn; deduced level density. JOUR PRLTA 102 162504
- 2009P005 NUCLEAR REACTIONS ¹¹⁷Sn(n, n γ), E=fast; Measured yield. BR2 reactor, Inductively Coupled Plasma Mass Spectrometry (ICPMS). JOUR ARISE 67 1158
- ¹¹⁷Cs 2009SI08 NUCLEAR REACTIONS ¹²²Sn(¹¹B, 4n), E=60 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular correlations. ¹²⁹Cs; deduced levels, J, π , bands, configurations. Comparison with tilted-axis cranking model calculations. ^{117,121,123,125,127,129,131}Cs; level systematics. JOUR PRVCA 79 044317

A=118

No references found

A=119

No references found

A=120

- ¹²⁰Sn 2009SH19 NUCLEAR REACTIONS ⁵⁸Ni, ⁸⁹Y, ⁹⁰Zr, ¹²⁰Sn, ¹⁴²Nd, ¹⁶⁶Er, ²⁰⁸Pb(p, p'), E=200 MeV; measured proton spectra, angular distributions; deduced isoscalar giant quadrupole resonance (ISGQR) and associated E2 strength functions. Wavelet analysis. Comparisons with quasiparticle-phonon model (QPM), extended time-dependent Hartree-Fock method (ETDHF), random-phase approximation (RPA) and extended theory of finite Fermi systems (ETFFS). JOUR PRVCA 79 044305

A=120 (continued)

- ¹²⁰Sb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Li
 Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=121

- ¹²¹Te 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Li
 Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ¹²¹Cs 2009SI08 NUCLEAR REACTIONS ¹²²Sn(¹¹B, 4n), E=60 MeV; measured E γ ,
 I γ , $\gamma\gamma$ -coin, angular correlations. ¹²⁹Cs; deduced levels, J, π , bands,
 configurations. Comparison with tilted-axis cranking model
 calculations. ^{117,121,123,125,127,129,131}Cs; level systematics. JOUR
 PRVCA 79 044317

A=122

- ¹²²Sb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Li
 Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=123

- ¹²³Sn 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc; ⁴⁸V; ⁵⁹Fe; ⁷²Zn; ⁷⁵Se; ⁷⁷Br; ⁸³Rb; ⁸⁵Kr; ⁸⁷Y; ⁸⁸Kr; ⁸⁸Zr; ⁸⁹Zr; ⁹¹Sr; ⁹²Sr;
⁹⁵Zr; ⁹⁷Zr; ⁹⁹Mo; ⁹⁹Rh; ¹⁰³Ru; ¹⁰⁵Ru; ¹⁰⁵Rh; ¹⁰⁵Ag; ¹¹¹Ag; ¹¹¹In; ¹¹²Ag; ¹¹⁵Cd; ¹¹⁷Cd; ¹²¹Te; ¹²⁹Sb; ⁶Li
 Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ¹²³Cs 2009SI08 NUCLEAR REACTIONS ¹²²Sn(¹¹B, 4n), E=60 MeV; measured E γ ,
 I γ , $\gamma\gamma$ -coin, angular correlations. ¹²⁹Cs; deduced levels, J, π , bands,
 configurations. Comparison with tilted-axis cranking model
 calculations. ^{117,121,123,125,127,129,131}Cs; level systematics. JOUR
 PRVCA 79 044317

A=124

- ¹²⁴Sb 2009IW01 RADIOACTIVITY ¹²⁴Sb(β^-); measured E γ , I γ , $\beta\gamma$ -coin. JOUR
 NIMAE 602 450
- ¹²⁴Te 2009IW01 RADIOACTIVITY ¹²⁴Sb(β^-); measured E γ , I γ , $\beta\gamma$ -coin. JOUR
 NIMAE 602 450

A=124 (continued)

- ¹²⁴I 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc;⁴⁸V;⁵⁹Fe;⁷²Zn;⁷⁵Se;⁷⁷Br;⁸³Rb;⁸⁵Kr;⁸⁷Y;⁸⁸Kr;⁸⁸Zr;⁸⁹Zr;⁹¹Sr;⁹²Sr;
⁹⁵Zr;⁹⁷Zr;⁹⁹Mo;⁹⁹Rh;¹⁰³Ru;¹⁰⁵Ru;¹⁰⁵Rh;¹⁰⁵Ag;¹¹¹Ag;¹¹¹In;¹¹²Ag;¹¹⁵Cd;¹¹⁷Cd;¹²¹Te;¹²⁹Sb;⁶
 Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=125

- ¹²⁵Cs 2009SI08 NUCLEAR REACTIONS ¹²²Sn(¹¹B, 4n), E=60 MeV; measured E γ ,
 I γ , $\gamma\gamma$ -coin, angular correlations. ¹²⁹Cs; deduced levels, J, π , bands,
 configurations. Comparison with tilted-axis cranking model
 calculations. ^{117,121,123,125,127,129,131}Cs; level systematics. JOUR
 PRVCA 79 044317

A=126

- ¹²⁶Sb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc;⁴⁸V;⁵⁹Fe;⁷²Zn;⁷⁵Se;⁷⁷Br;⁸³Rb;⁸⁵Kr;⁸⁷Y;⁸⁸Kr;⁸⁸Zr;⁸⁹Zr;⁹¹Sr;⁹²Sr;
⁹⁵Zr;⁹⁷Zr;⁹⁹Mo;⁹⁹Rh;¹⁰³Ru;¹⁰⁵Ru;¹⁰⁵Rh;¹⁰⁵Ag;¹¹¹Ag;¹¹¹In;¹¹²Ag;¹¹⁵Cd;¹¹⁷Cd;¹²¹Te;¹²⁹Sb;⁶
 Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891

A=127

- ¹²⁷Cs 2009SI08 NUCLEAR REACTIONS ¹²²Sn(¹¹B, 4n), E=60 MeV; measured E γ ,
 I γ , $\gamma\gamma$ -coin, angular correlations. ¹²⁹Cs; deduced levels, J, π , bands,
 configurations. Comparison with tilted-axis cranking model
 calculations. ^{117,121,123,125,127,129,131}Cs; level systematics. JOUR
 PRVCA 79 044317

A=128

No references found

A=129

- ¹²⁹Sb 2009NA10 NUCLEAR REACTIONS ²⁰⁹Bi(γ , F), E=2.5 GeV;
⁴⁷Sc;⁴⁸V;⁵⁹Fe;⁷²Zn;⁷⁵Se;⁷⁷Br;⁸³Rb;⁸⁵Kr;⁸⁷Y;⁸⁸Kr;⁸⁸Zr;⁸⁹Zr;⁹¹Sr;⁹²Sr;
⁹⁵Zr;⁹⁷Zr;⁹⁹Mo;⁹⁹Rh;¹⁰³Ru;¹⁰⁵Ru;¹⁰⁵Rh;¹⁰⁵Ag;¹¹¹Ag;¹¹¹In;¹¹²Ag;¹¹⁵Cd;¹¹⁷Cd;¹²¹Te;¹²⁹Sb;⁶
 Measured E γ , I γ , fission yields. JOUR NIMBE 267 1891
- ¹²⁹Cs 2009SI08 NUCLEAR REACTIONS ¹²²Sn(¹¹B, 4n), E=60 MeV; measured E γ ,
 I γ , $\gamma\gamma$ -coin, angular correlations. ¹²⁹Cs; deduced levels, J, π , bands,
 configurations. Comparison with tilted-axis cranking model
 calculations. ^{117,121,123,125,127,129,131}Cs; level systematics. JOUR
 PRVCA 79 044317

A=129 (continued)

- 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742
- ¹²⁹Ba 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742

A=130

- ¹³⁰Te 2009RE07 ATOMIC MASSES ¹³⁰Te, ¹³⁰Xe; Measured atomic masses using precision cryogenic Penning-trap spectrometer; Deduced Q-value for 2 β -decay. Compared with energy calibration of CUORICINO and CUORE experiments. JOUR PRLTA 102 212502
- ¹³⁰Xe 2009BE11 RADIOACTIVITY ¹³⁰Cs(EC), (β^+)[from ¹²⁶Te(⁷Li, 3n), E=30 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$, mixing ratios. ¹³⁰Xe; deduced levels, J, π , multipolarity. Comparison with shell-model and interacting-boson model-2 calculations. JOUR PRVCA 79 034315
- 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009RE07 ATOMIC MASSES ¹³⁰Te, ¹³⁰Xe; Measured atomic masses using precision cryogenic Penning-trap spectrometer; Deduced Q-value for 2 β -decay. Compared with energy calibration of CUORICINO and CUORE experiments. JOUR PRLTA 102 212502
- ¹³⁰Cs 2009BE11 RADIOACTIVITY ¹³⁰Cs(EC), (β^+)[from ¹²⁶Te(⁷Li, 3n), E=30 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$, mixing ratios. ¹³⁰Xe; deduced levels, J, π , multipolarity. Comparison with shell-model and interacting-boson model-2 calculations. JOUR PRVCA 79 034315
- 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742

A=130 (continued)

- ¹³⁰Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=131

- ¹³¹Cs 2009SI08 NUCLEAR REACTIONS ¹²²Sn(¹¹B, 4n), E=60 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular correlations. ¹²⁹Cs; deduced levels, J, π , bands, configurations. Comparison with tilted-axis cranking model calculations. ^{117,121,123,125,127,129,131}Cs; level systematics. JOUR PRVCA 79 044317
- ¹³¹Ba 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742

A=132

- ¹³²Xe 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹³²Cs 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742

A=132 (continued)

¹³²Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=133

¹³³Sb 2009UR01 NUCLEAR REACTIONS ²³⁵U(n, X)¹³³Sb, E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin, $\gamma(t)$, half-lives. ¹³³Sb; deduced levels, J, π , configurations. JOUR PRVCA 79 037304

¹³³Cs 2009SU03 NUCLEAR REACTIONS ¹³³Cs(e, e'), E=120 MeV; measured cross section and angular distributions. JOUR PRLTA 102 102501

¹³³Ba 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742

A=134

¹³⁴Xe 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

¹³⁴Cs 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742

A=134 (continued)

- ¹³⁴Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=135

- ¹³⁵Cs 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742
- ¹³⁵Ba 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742
- ¹³⁵La 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727
- ¹³⁵Ce 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727

A=136

- ¹³⁶Xe 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ -, $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316

A=136 (continued)

- ¹³⁶Cs 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742
- ¹³⁶Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=137

- ¹³⁷Ba 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742
- ¹³⁷Ce 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727
- 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV; ⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd, ¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR PPNLA 6 126

A=138

- ¹³⁸Xe 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=138 (continued)

- ¹³⁸Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=139

- ¹³⁹Cs 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742
- ¹³⁹Ba 2009TA03 NUCLEAR REACTIONS Xe(α , X)¹²⁹Ba / ¹³¹Ba / ¹³³Ba / ¹³⁵Ba / ¹³⁷Ba / ¹³⁹Ba / ¹²⁹Cs / ¹³⁰Cs / ¹³²Cs / ¹³⁴Cs / ¹³⁵Cs / ¹³⁶Cs / ¹³⁹Cs, E < 45 MeV; measured E γ , I γ , excitation functions using the activation technique. Compared results to model calculations. JOUR NIMBE 267 742
- ¹³⁹Ce 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727
- ¹³⁹Nd 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727

A=140

- ¹⁴⁰Xe 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ -, $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316

A=140 (continued)

- ¹⁴⁰Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁴⁰Ce 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁴⁰Nd 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727

A=141

- ¹⁴¹Nd 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727

A=142

- ¹⁴²Xe 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ -, $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316

A=142 (continued)

- ¹⁴²Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ^- , $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316
- ¹⁴²Ce 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁴²Pr 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727
- ¹⁴²Nd 2009SH19 NUCLEAR REACTIONS ⁵⁸Ni, ⁸⁹Y, ⁹⁰Zr, ¹²⁰Sn, ¹⁴²Nd, ¹⁶⁶Er, ²⁰⁸Pb(p, p'), E=200 MeV; measured proton spectra, angular distributions; deduced isoscalar giant quadrupole resonance (ISGQR) and associated E2 strength functions. Wavelet analysis. Comparisons with quasiparticle-phonon model (QPM), extended time-dependent Hartree-Fock method (ETDHF), random-phase approximation (RPA) and extended theory of finite Fermi systems (ETFFS). JOUR PRVCA 79 044305

A=143

No references found

A=144

- ¹⁴⁴Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=145

No references found

A=146

- ¹⁴⁶Ba 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ -, $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316
- ¹⁴⁶Ce 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ -, $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316

A=147

No references found

A=148

- ¹⁴⁸Ce 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ^- , $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316
- ¹⁴⁸Nd 2009BA21 RADIOACTIVITY ^{148,150}Nd($2\beta^-$); measured E γ , I γ . ^{148,150}Nd; measured half-lives, partial half-lives. JOUR PRVCA 79 045501
- 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁴⁸Sm 2009BA21 RADIOACTIVITY ^{148,150}Nd($2\beta^-$); measured E γ , I γ . ^{148,150}Nd; measured half-lives, partial half-lives. JOUR PRVCA 79 045501

A=149

No references found

A=150

- ¹⁵⁰Nd 2009BA21 RADIOACTIVITY ^{148,150}Nd($2\beta^-$); measured E γ , I γ . ^{148,150}Nd; measured half-lives, partial half-lives. JOUR PRVCA 79 045501
- 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁵⁰Sm 2009BA21 RADIOACTIVITY ^{148,150}Nd($2\beta^-$); measured E γ , I γ . ^{148,150}Nd; measured half-lives, partial half-lives. JOUR PRVCA 79 045501

A=151

- ¹⁵¹Er 2009FU05 NUCLEAR REACTIONS ¹¹⁶Sn(⁴⁰Ar, 5n), E=197 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵¹Er deduced high-spin levels, J, π , multipolarities, configurations. Comparison with deformed independent particle model calculations. JOUR ZAANE 39 49

A=152

- ¹⁵²Sm 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁵²Eu 2009TR01 NUCLEAR REACTIONS ¹¹⁶Cd, ¹³⁸Ce, ¹⁵³Eu(γ , n), E=10-25 MeV; ⁹⁶Mo, ¹¹⁸Sn(γ , p), E=10-25 MeV; ⁸⁹Y(γ , 2n), E=10-25 MeV; ¹⁰⁶Cd, ¹¹²Sn(γ , np), E=10-25 MeV; measured E γ , I γ , isomeric ratios. JOUR PPNLA 6 126
- ¹⁵²Gd 2009PA17 NUCLEAR REACTIONS ¹¹⁴Cd(⁴⁸Ca, 6n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ¹⁵⁶Er; deduced levels, J, π , angular distribution coefficients, bands, multipolarities, B(M1), B(M1) / B(E2), configurations, alignments as a function of rotational frequency. Nilsson-Strutinsky calculations. Potential energy surface calculations. ¹⁵²Gd, ¹⁵⁴Dy, ¹⁵⁶Er, ¹⁵⁸Yb, ¹⁶⁰Hf; level and configuration systematics. JOUR PRVCA 79 044324

A=153

No references found

A=154

- ¹⁵⁴Sm 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=154 (continued)

- ¹⁵⁴Gd 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁵⁴Dy 2009PA17 NUCLEAR REACTIONS ¹¹⁴Cd(⁴⁸Ca, 6n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ¹⁵⁶Er; deduced levels, J, π , angular distribution coefficients, bands, multipolarities, B(M1), B(M1) / B(E2), configurations, alignments as a function of rotational frequency. Nilsson-Strutinsky calculations. Potential energy surface calculations. ¹⁵²Gd, ¹⁵⁴Dy, ¹⁵⁶Er, ¹⁵⁸Yb, ¹⁶⁰Hf; level and configuration systematics. JOUR PRVCA 79 044324

A=155

No references found

A=156

- ¹⁵⁶Gd 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁵⁶Er 2009PA17 NUCLEAR REACTIONS ¹¹⁴Cd(⁴⁸Ca, 6n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ¹⁵⁶Er; deduced levels, J, π , angular distribution coefficients, bands, multipolarities, B(M1), B(M1) / B(E2), configurations, alignments as a function of rotational frequency. Nilsson-Strutinsky calculations. Potential energy surface calculations. ¹⁵²Gd, ¹⁵⁴Dy, ¹⁵⁶Er, ¹⁵⁸Yb, ¹⁶⁰Hf; level and configuration systematics. JOUR PRVCA 79 044324

A=157

No references found

A=158

- ¹⁵⁸Gd 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁵⁸Yb 2009PA17 NUCLEAR REACTIONS ¹¹⁴Cd(⁴⁸Ca, 6n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions. ¹⁵⁶Er; deduced levels, J, π , angular distribution coefficients, bands, multipolarities, B(M1), B(M1) / B(E2), configurations, alignments as a function of rotational frequency. Nilsson-Strutinsky calculations. Potential energy surface calculations. ¹⁵²Gd, ¹⁵⁴Dy, ¹⁵⁶Er, ¹⁵⁸Yb, ¹⁶⁰Hf; level and configuration systematics. JOUR PRVCA 79 044324

A=159

No references found

A=160

- ¹⁶⁰Gd 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316
- ¹⁶⁰Dy 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=160 (continued)

- ¹⁶⁰Hf 2009PA17 NUCLEAR REACTIONS ¹¹⁴Cd(⁴⁸Ca, 6n), E=215 MeV; measured E_γ, I_γ, γγ-coin, angular distributions. ¹⁵⁶Er; deduced levels, J, π, angular distribution coefficients, bands, multipolarities, B(M1), B(M1) / B(E2), configurations, alignments as a function of rotational frequency. Nilsson-Strutinsky calculations. Potential energy surface calculations. ¹⁵²Gd, ¹⁵⁴Dy, ¹⁵⁶Er, ¹⁵⁸Yb, ¹⁶⁰Hf; level and configuration systematics. JOUR PRVCA 79 044324

A=161

No references found

A=162

- ¹⁶²Dy 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=163

No references found

A=164

- ¹⁶⁴Dy 2009G009 NUCLEAR MOMENTS ^{140,142}Xe, ¹⁴⁶Ba, ^{146,148}Ce; measured g factors of first 2+ states by integral perturbed angular correlation (IPAC) method. ^{130,132,134,136,138,140,142}Xe, ^{130,132,134,136,138,140,142,144,146}Ba, ^{140,142,146,148}Ce, ^{148,150}Nd, ^{152,154}Sm, ^{154,156,158,160}Gd, ^{160,162,164}Dy; systematics of experimental and theoretical g factors and ratio of proton to neutron holes outside the nearest closed shell. Comparison with interacting boson model-2 and rotation-vibration model calculations. ¹⁴⁶Ba, ^{146,148}Ce; deduced ratio of neutron to proton deformation. JOUR PRVCA 79 034316

A=165

No references found

A=166

- ¹⁶⁶Er 2009SH19 NUCLEAR REACTIONS ⁵⁸Ni, ⁸⁹Y, ⁹⁰Zr, ¹²⁰Sn, ¹⁴²Nd, ¹⁶⁶Er, ²⁰⁸Pb(p, p'), E=200 MeV; measured proton spectra, angular distributions; deduced isoscalar giant quadrupole resonance (ISGQR) and associated E2 strength functions. Wavelet analysis. Comparisons with quasiparticle-phonon model (QPM), extended time-dependent Hartree-Fock method (ETDHF), random-phase approximation (RPA) and extended theory of finite Fermi systems (ETFFS). JOUR PRVCA 79 044305
- ¹⁶⁶Yb 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727

A=167

- ¹⁶⁷Tm 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727

A=168

No references found

A=169

- ¹⁶⁹Tm 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727
- ¹⁶⁹Yb 2009HE03 NUCLEAR REACTIONS ¹⁴¹Pr(d, X)¹³⁵Ce / ¹³⁵La / ¹³⁷Ce / ¹³⁹Ce / ¹³⁹Nd / ¹⁴⁰Nd / ¹⁴¹Nd / ¹⁴²Pr, E < 40 MeV; ¹⁶⁹Tm(d, X)¹⁶⁶Yb / ¹⁶⁷Tm / ¹⁶⁹Tm / ¹⁶⁹Yb, E < 40 MeV; measured excitation functions using the stacked foil activation technique. JOUR NIMBE 267 727

A=170

No references found

A=171

¹⁷¹Tm 2009WA06 NUCLEAR REACTIONS ¹⁷⁰Er(⁷Li, 2n α), E=42 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, conversion electron spectra, half-lives. ¹⁷¹Tm; deduced levels, J, π , multipolarities, conversion coefficients, bands, configurations, K-mixing matrix elements. JOUR PRVCA 79 044321

A=172

No references found

A=173

No references found

A=174

No references found

A=175

No references found

A=176

¹⁷⁶Lu 2008HE17 NUCLEAR REACTIONS ¹⁷⁵Lu(n, γ), E=spectrum; measured E γ , I γ , cross sections, isomeric ratio. JOUR ASJOA 673 434

A=177

No references found

A=178

No references found

A=179

No references found

A=180

No references found

A=181

No references found

A=182

No references found

A=183

¹⁸³Ta 2009SH17 NUCLEAR REACTIONS ¹⁸¹Ta(¹⁸O, ¹⁶O), E=180 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, (particle) γ -coin, time difference spectrum. ¹⁸³Ta; deduced levels, J, π and T_{1/2} of new isomer. JOUR ZAANE 39 263

A=184

No references found

A=185

No references found

A=186

¹⁸⁶Os 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305

A=187

No references found

A=188

- ¹⁸⁸Re 2009LU08 NUCLEAR REACTIONS ¹⁸⁸Os(n, p), ¹⁹⁰Os(n, p), (n, n'), E=13.5-14.8 MeV; measured E γ , I γ , cross sections using the activation technique. Comparison with model calculations and evaluated databases. JOUR NIMBE 267 1051
- ¹⁸⁸Os 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ¹⁸⁸Pt 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305

A=189

- ¹⁸⁹Tl 2009SA09 RADIOACTIVITY ¹⁸⁹Pb(β^+), (EC) [from ²³⁸U(p, X), E=1.4 GeV]; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin; deduced T_{1/2}, log ft; calculated nuclear deformation. ¹⁸⁹Tl deduced levels, J, π . In-source laser spectroscopy. JOUR ZAANE 39 33
- ¹⁸⁹Pb 2009DR03 NUCLEAR REACTIONS ¹⁶⁴Er(²⁹Si, 4n), E=20 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, conversion electrons, internal conversion coefficients. ¹⁸⁹Pb; deduced levels, J, π , multipolarity, configuration, shear band. ^{189,191,193,195,197,199}Pb; systematics of shears bands, and total residual interaction as a function of occupation probability. Comparisons with empirical shell-model calculations. JOUR PRVCA 79 031302
- 2009SA09 RADIOACTIVITY ¹⁸⁹Pb(β^+), (EC) [from ²³⁸U(p, X), E=1.4 GeV]; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin; deduced T_{1/2}, log ft; calculated nuclear deformation. ¹⁸⁹Tl deduced levels, J, π . In-source laser spectroscopy. JOUR ZAANE 39 33

A=190

- ¹⁹⁰Re 2009LU08 NUCLEAR REACTIONS ¹⁸⁸Os(n, p), ¹⁹⁰Os(n, p), (n, n'), E=13.5-14.8 MeV; measured E γ , I γ , cross sections using the activation technique. Comparison with model calculations and evaluated databases. JOUR NIMBE 267 1051
- ¹⁹⁰Os 2009LU08 NUCLEAR REACTIONS ¹⁸⁸Os(n, p), ¹⁹⁰Os(n, p), (n, n'), E=13.5-14.8 MeV; measured E γ , I γ , cross sections using the activation technique. Comparison with model calculations and evaluated databases. JOUR NIMBE 267 1051

A=190 (continued)

- 2009P002 NUCLEAR REACTIONS ${}^9\text{Be}({}^{208}\text{Pb}, \text{X})$, $E=1$ GeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma(t)$, half-lives. ${}^{198}\text{Os}$; deduced levels, J , π , configuration. ${}^{198}\text{Os}$; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ${}^{198}\text{Os}$ and ${}^{202}\text{Pt}$ level schemes. ${}^{186,188,190,192,194,196,198}\text{Os}$, ${}^{188,190,192,194,196,198,200,202}\text{Pt}$; level systematics. JOUR PRVCA 79 031305
- ${}^{190}\text{Pt}$ 2009P002 NUCLEAR REACTIONS ${}^9\text{Be}({}^{208}\text{Pb}, \text{X})$, $E=1$ GeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma(t)$, half-lives. ${}^{198}\text{Os}$; deduced levels, J , π , configuration. ${}^{198}\text{Os}$; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ${}^{198}\text{Os}$ and ${}^{202}\text{Pt}$ level schemes. ${}^{186,188,190,192,194,196,198}\text{Os}$, ${}^{188,190,192,194,196,198,200,202}\text{Pt}$; level systematics. JOUR PRVCA 79 031305

A=191

- ${}^{191}\text{Pt}$ 2009QA01 NUCLEAR REACTIONS ${}^{192}\text{Os}({}^3\text{He}, 4n)$, $E < 36$ MeV; measured $E\gamma$, $I\gamma$, excitation function using the stacked foil activation technique. JOUR ARISE 67 1074
- ${}^{191}\text{Pb}$ 2009DR03 NUCLEAR REACTIONS ${}^{164}\text{Er}({}^{29}\text{Si}, 4n)$, $E=20$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, conversion electrons, internal conversion coefficients. ${}^{189}\text{Pb}$; deduced levels, J , π , multipolarity, configuration, shear band. ${}^{189,191,193,195,197,199}\text{Pb}$; systematics of shears bands, and total residual interaction as a function of occupation probability. Comparisons with empirical shell-model calculations. JOUR PRVCA 79 031302

A=192

- ${}^{192}\text{Os}$ 2009P002 NUCLEAR REACTIONS ${}^9\text{Be}({}^{208}\text{Pb}, \text{X})$, $E=1$ GeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma(t)$, half-lives. ${}^{198}\text{Os}$; deduced levels, J , π , configuration. ${}^{198}\text{Os}$; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ${}^{198}\text{Os}$ and ${}^{202}\text{Pt}$ level schemes. ${}^{186,188,190,192,194,196,198}\text{Os}$, ${}^{188,190,192,194,196,198,200,202}\text{Pt}$; level systematics. JOUR PRVCA 79 031305
- ${}^{192}\text{Pt}$ 2009P002 NUCLEAR REACTIONS ${}^9\text{Be}({}^{208}\text{Pb}, \text{X})$, $E=1$ GeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma(t)$, half-lives. ${}^{198}\text{Os}$; deduced levels, J , π , configuration. ${}^{198}\text{Os}$; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ${}^{198}\text{Os}$ and ${}^{202}\text{Pt}$ level schemes. ${}^{186,188,190,192,194,196,198}\text{Os}$, ${}^{188,190,192,194,196,198,200,202}\text{Pt}$; level systematics. JOUR PRVCA 79 031305

A=193

- ¹⁹³Pb 2009DR03 NUCLEAR REACTIONS ¹⁶⁴Er(²⁹Si, 4n), E=20 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, conversion electrons, internal conversion coefficients. ¹⁸⁹Pb; deduced levels, J, π , multipolarity, configuration, shear band. ^{189,191,193,195,197,199}Pb; systematics of shears bands, and total residual interaction as a function of occupation probability. Comparisons with empirical shell-model calculations. JOUR PRVCA 79 031302

A=194

- ¹⁹⁴Os 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ¹⁹⁴Pt 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ¹⁹⁴Au 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl; ^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208

A=195

- ¹⁹⁵Pb 2009DR03 NUCLEAR REACTIONS ¹⁶⁴Er(²⁹Si, 4n), E=20 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, conversion electrons, internal conversion coefficients. ¹⁸⁹Pb; deduced levels, J, π , multipolarity, configuration, shear band. ^{189,191,193,195,197,199}Pb; systematics of shears bands, and total residual interaction as a function of occupation probability. Comparisons with empirical shell-model calculations. JOUR PRVCA 79 031302
- ¹⁹⁵Po 2009GR05 NUCLEAR REACTIONS ¹¹³Cd(⁸⁶Kr, 4n), E=382 MeV; measured E γ , I γ , (recoil) γ -coin, lifetime using the recoil distance Doppler-shift method. ¹⁹⁵Po; deduced B(E2). JUROGRAM array with RITU separator and GREAT spectrometer. Recoil-decay tagging technique. JOUR ZAANE 39 291

A=196

- ¹⁹⁶Os 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ¹⁹⁶Pt 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ¹⁹⁶Au 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl;^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208
- ¹⁹⁶Tl 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl;^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208

A=197

- ¹⁹⁷Au 2009IM01 NUCLEAR REACTIONS ¹⁹⁷Au(¹²Be, ¹²Be'), E=42.9 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ¹²Be deduced levels, T_{1/2}, B(E2), deformation length. Doppler shift attenuation method. JOUR PYLBB 673 179
- ¹⁹⁷Tl 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl;^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208
- ¹⁹⁷Pb 2009DR03 NUCLEAR REACTIONS ¹⁶⁴Er(²⁹Si, 4n), E=20 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, conversion electrons, internal conversion coefficients. ¹⁸⁹Pb; deduced levels, J, π , multipolarity, configuration, shear band. ^{189,191,193,195,197,199}Pb; systematics of shears bands, and total residual interaction as a function of occupation probability. Comparisons with empirical shell-model calculations. JOUR PRVCA 79 031302

A=198

- ¹⁹⁸Os 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ¹⁹⁸Pt 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ¹⁹⁸Au 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl; ^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208
- ¹⁹⁸Tl 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl; ^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208

A=199

- ¹⁹⁹Au 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl; ^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208
- ¹⁹⁹Tl 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl; ^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208
- ¹⁹⁹Pb 2009DR03 NUCLEAR REACTIONS ¹⁶⁴Er(²⁹Si, 4n), E=20 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, conversion electrons, internal conversion coefficients. ¹⁸⁹Pb; deduced levels, J, π , multipolarity, configuration, shear band. ^{189,191,193,195,197,199}Pb; systematics of shears bands, and total residual interaction as a function of occupation probability. Comparisons with empirical shell-model calculations. JOUR PRVCA 79 031302

A=200

- ²⁰⁰Pt 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305
- ²⁰⁰Tl 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl;^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208

A=201

- ²⁰¹Tl 2009SK02 NUCLEAR REACTIONS Pt(⁶Li, X), E=22.5-42.5 MeV; ^{196,197,198,199,200,201}Tl;^{194,196,198,199}Au; Measured E γ , I γ , σ . Compared results to model calculations using ALICE-MP, EMPIRE-II codes. JOUR PPNLA 6 208

A=202

- ²⁰²Pt 2009P002 NUCLEAR REACTIONS ⁹Be(²⁰⁸Pb, X), E=1 GeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, $\gamma\gamma$ (t), half-lives. ¹⁹⁸Os; deduced levels, J, π , configuration. ¹⁹⁸Os; calculated potential-energy surfaces using Woods-Saxon-Strutinsky formalism. Comparison of ¹⁹⁸Os and ²⁰²Pt level schemes. ^{186,188,190,192,194,196,198}Os, ^{188,190,192,194,196,198,200,202}Pt; level systematics. JOUR PRVCA 79 031305

A=203

No references found

A=204

No references found

A=205

No references found

A=206

No references found

A=207

- ²⁰⁷Tl 2009NA09 NUCLEAR REACTIONS ²⁰⁸Pb(α , α' p), E=400 MeV; measured E α , I α , decay proton spectra, $\sigma(E, \theta)$; calculated $\sigma(\theta)$ via DWBA; deduced ISGDR proton-decay branching ratio. Comparison with continuum RPA calculations. JOUR PYLBB 674 281

A=208

- ²⁰⁸Hg 2009CH08 ATOMIC MASSES ²⁰⁸Hg; measured atomic mass using time resolved Schottky mass spectrometry. JOUR PRLTA 102 122503
- ²⁰⁸Pb 2009SH19 NUCLEAR REACTIONS ⁵⁸Ni, ⁸⁹Y, ⁹⁰Zr, ¹²⁰Sn, ¹⁴²Nd, ¹⁶⁶Er, ²⁰⁸Pb(p, p'), E=200 MeV; measured proton spectra, angular distributions; deduced isoscalar giant quadrupole resonance (ISGQR) and associated E2 strength functions. Wavelet analysis. Comparisons with quasiparticle-phonon model (QPM), extended time-dependent Hartree-Fock method (ETDHF), random-phase approximation (RPA) and extended theory of finite Fermi systems (ETFFS). JOUR PRVCA 79 044305

A=209

- ²⁰⁹Pb 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured E α , I α , half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured E α . ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313
- ²⁰⁹Po 2009NI05 NUCLEAR REACTIONS ²⁰⁹Bi(d, 2n), E=13 MeV; measured E γ , time-differential perturbed angular distributions (TDPAD), half-lives. ²⁰⁹Po; deduced spectroscopic electric quadrupole moments. JOUR PRVCA 79 044314
- 2009NI05 NUCLEAR MOMENTS ²⁰⁹Po; measured electric quadrupole moments by TDPAD technique. JOUR PRVCA 79 044314

A=209 (continued)

²⁰⁹Rn 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=210

²¹⁰Po 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

²¹⁰At 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=210 (continued)

²¹⁰Rn 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=211

²¹¹Po 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

²¹¹At 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=211 (continued)

²¹¹Rn 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=212

²¹²At 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

²¹²Rn 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=213

- ^{213}Bi 2009IN01 RADIOACTIVITY $^{229m}\text{Th}(\alpha)$; measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ^{229}Th populated through nuclear excitation by electronic transition (NEET). ^{229}Th , ^{225}Ac , ^{221}Fr , ^{217}At , $^{213}\text{Po}(\alpha)$; measured $E\alpha$. $^{225,227,229,231,233}\text{Th}$; level systematics. JOUR PRVCA 79 034313
- ^{213}Po 2009IN01 RADIOACTIVITY $^{229m}\text{Th}(\alpha)$; measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ^{229}Th populated through nuclear excitation by electronic transition (NEET). ^{229}Th , ^{225}Ac , ^{221}Fr , ^{217}At , $^{213}\text{Po}(\alpha)$; measured $E\alpha$. $^{225,227,229,231,233}\text{Th}$; level systematics. JOUR PRVCA 79 034313
- ^{213}At 2009GA07 NUCLEAR REACTIONS $^{209}\text{Bi}(^{10}\text{B}, \text{X})$, $(^{11}\text{B}, \text{X})^{209}\text{Rn} / ^{210}\text{Rn} / ^{211}\text{Rn} / ^{212}\text{Rn} / ^{213}\text{Rn} / ^{213}\text{Ra} / ^{214}\text{Ra} / ^{215}\text{Ra} / ^{216}\text{Ra} / ^{217}\text{Ra} / ^{210}\text{Po} / ^{211}\text{Po} / ^{210}\text{At} / ^{211}\text{At} / ^{212}\text{At} / ^{213}\text{At} /$, $E(\text{cm})=52-72$ MeV; measured $E\alpha$, σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for $^{186}\text{W}(^{30}\text{Si}, \text{X})$ reaction. $^{209}\text{Bi}(^{10}\text{B}, \text{X})$, $(^{11}\text{B}, \text{X})$, $E=5-7.5$ MeV / nucleon; $^{209}\text{Bi}(^7\text{Li}, \text{X})$, $(^6\text{Li}, \text{X})$, $E=3.9-7.5$ MeV / nucleon; $^{209}\text{Bi}(\alpha, \text{X})$, $E=7.5-9.3$ MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605
- ^{213}Rn 2009GA07 NUCLEAR REACTIONS $^{209}\text{Bi}(^{10}\text{B}, \text{X})$, $(^{11}\text{B}, \text{X})^{209}\text{Rn} / ^{210}\text{Rn} / ^{211}\text{Rn} / ^{212}\text{Rn} / ^{213}\text{Rn} / ^{213}\text{Ra} / ^{214}\text{Ra} / ^{215}\text{Ra} / ^{216}\text{Ra} / ^{217}\text{Ra} / ^{210}\text{Po} / ^{211}\text{Po} / ^{210}\text{At} / ^{211}\text{At} / ^{212}\text{At} / ^{213}\text{At} /$, $E(\text{cm})=52-72$ MeV; measured $E\alpha$, σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for $^{186}\text{W}(^{30}\text{Si}, \text{X})$ reaction. $^{209}\text{Bi}(^{10}\text{B}, \text{X})$, $(^{11}\text{B}, \text{X})$, $E=5-7.5$ MeV / nucleon; $^{209}\text{Bi}(^7\text{Li}, \text{X})$, $(^6\text{Li}, \text{X})$, $E=3.9-7.5$ MeV / nucleon; $^{209}\text{Bi}(\alpha, \text{X})$, $E=7.5-9.3$ MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=213 (continued)

²¹³Ra 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=214

²¹⁴Ra 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=215

²¹⁵Ra 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=216

²¹⁶Ra 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=217

²¹⁷At 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured E α , I α , half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured E α . ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

A=217 (continued)

²¹⁷Ra 2009GA07 NUCLEAR REACTIONS ²⁰⁹Bi(¹⁰B, X), (¹¹B, X)²⁰⁹Rn / ²¹⁰Rn / ²¹¹Rn / ²¹²Rn / ²¹³Rn / ²¹³Ra / ²¹⁴Ra / ²¹⁵Ra / ²¹⁶Ra / ²¹⁷Ra / ²¹⁰Po / ²¹¹Po / ²¹⁰At / ²¹¹At / ²¹²At / ²¹³At / , E(cm)=52-72 MeV; measured E α , σ , complete fusion cross section, fission σ , summed σ for (xn), summed σ for (pxn), summed σ for (xn), summed σ for (α xn), summed σ for (xn); deduced complete fusion suppression factors and approximate fraction of incomplete fusion as a function of breakup threshold. Comparisons with cross sections for ¹⁸⁶W(³⁰Si, X) reaction. ²⁰⁹Bi(¹⁰B, X), (¹¹B, X), E=5-7.5 MeV / nucleon; ²⁰⁹Bi(⁷Li, X), (⁶Li, X), E=3.9-7.5 MeV / nucleon; ²⁰⁹Bi(α , X), E=7.5-9.3 MeV / nucleon; deduced empirical fission probabilities. Single-barrier penetration model (SBPM) calculations using Sao Paulo potential of fusion process without breakup, and statistical model calculations. JOUR PRVCA 79 034605

A=218

No references found

A=219

No references found

A=220

²²⁰Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

A=221

²²¹Fr 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured E α , I α , half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured E α . ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

A=222

No references found

A=223

²²³Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

A=224

²²⁴Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

A=225

²²⁵Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

²²⁵Ra 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured $E\alpha$. ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

²²⁵Ac 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured $E\alpha$. ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

²²⁵Th 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured $E\alpha$. ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

A=226

²²⁶Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

A=227

²²⁷Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

²²⁷Th 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured $E\alpha$. ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

A=228

²²⁸Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

A=229

²²⁹Rn 2009NE03 ATOMIC MASSES ^{220,223,224,225,226,227,228,229}Rn; measured masses using ISOLTRAP mass spectrometer. JOUR PRLTA 102 112501

²²⁹Th 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured $E\alpha$. ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

A=230

No references found

A=231

²³¹Th 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured $E\alpha$. ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

A=232

No references found

A=233

²³³Th 2009IN01 RADIOACTIVITY ^{229m}Th(α); measured $E\alpha$, $I\alpha$, half-life. Search for 3.5-eV isomer in ²²⁹Th populated through nuclear excitation by electronic transition (NEET). ²²⁹Th, ²²⁵Ac, ²²¹Fr, ²¹⁷At, ²¹³Po(α); measured $E\alpha$. ^{225,227,229,231,233}Th; level systematics. JOUR PRVCA 79 034313

A=234

No references found

A=235

No references found

A=236

No references found

A=237

No references found

A=238

²³⁸Np 2009HA10 NUCLEAR REACTIONS ²³⁷Np(n, γ), E=fast; measured E_γ, I_γ, cross sections using the activation technique. Comparison with evaluated databases. JOUR JNSTA 46 460

A=239

No references found

A=240

²⁴⁰Pu 2009WA04 NUCLEAR REACTIONS ²⁴⁰Pu(²⁰⁸Pb, ²⁰⁸Pb'), E=1300 MeV; measured E_γ, I_γ, γγ-coin. ²⁴⁰Pu; deduced levels, J, π. JOUR PRLTA 102 122501

A=241

No references found

A=242

No references found

A=243

No references found

A=244

No references found

A=245

No references found

A=246

No references found

A=247

No references found

A=248

²⁴⁸Cm 2009UR02 RADIOACTIVITY ²⁴⁸Cm, ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$, half-lives. ⁹⁵Y; deduced levels, J, π , isomers, configurations. Comparisons with shell-model calculations. JOUR PRVCA 79 044304

A=249

No references found

A=250

No references found

A=251

²⁵¹Md 2009KE02 NUCLEAR REACTIONS ²⁰⁹Bi(⁴⁸Ca, 2n), E=219, 221 MeV; Measured E γ , I γ , $\alpha\gamma$ -coin; Deduced rotational bands; Calculated rotational bands; ²⁵¹Md; ²⁵⁵Lr; Compared theoretical and experimental results. JOUR PRLTA 102 212501

A=252

²⁵²Cf 2009G009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , (particle) γ -, $\gamma\gamma$ -coin, attenuated $\gamma\gamma(\theta)$. ^{136,140,142}Xe, ^{142,146}Ba, ^{146,148}Ce; deduced levels, J, g factors. JOUR PRVCA 79 034316

A=252 (continued)

2009UR02 RADIOACTIVITY ^{248}Cm , $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$, half-lives. ^{95}Y ; deduced levels, J, π , isomers, configurations. Comparisons with shell-model calculations. JOUR PRVCA 79 044304

A=253

No references found

A=254

No references found

A=255

^{255}Lr 2009KE02 NUCLEAR REACTIONS $^{209}\text{Bi}(^{48}\text{Ca}, 2n)$, $E=219, 221$ MeV; Measured $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin; Deduced rotational bands; Calculated rotational bands; ^{251}Md ; ^{255}Lr ; Compared theoretical and experimental results. JOUR PRLTA 102 212501

A=256

^{256}Rf 2009JE01 NUCLEAR REACTIONS $^{208}\text{Pb}(^{50}\text{Ti}, 2n)$, $E=243$ MeV; measured (recoil)(electron)(fission)-coin, (electron) γ -coin, conversion electron spectra, $E\gamma$, $I\gamma$, half-lives. ^{256}Rf ; deduced levels, J, π , high-K isomers, configurations. Comparisons with Woods-Saxon potential-energy surface calculations. JOUR PRVCA 79 031303

A=257

No references found

A=258

^{258}No 2009PE09 NUCLEAR REACTIONS $^{232}\text{Th}(^{25}\text{Mg}, X)$, $E=132$ MeV; $^{232}\text{Th}(^{26}\text{Mg}, X)$, $E=148$ MeV; measured σ , mass and energy distributions of fission fragments, neutrons by time-of-flight method. ^{258}No ; deduced ratio of widths for neutron emission and fission (Γ_n / Γ_f) for the compound nucleus. Implications for survival probabilities of excited heavy nuclei formed in hot fusion reactions. JOUR PRVCA 79 044607

A=259

No references found

A=260

No references found

A=261

²⁶¹Rg 2009MA15 ATOMIC MASSES ^{261,265}Rg; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry; deduced T_{1/2} limit for isomeric states of Rg. JOUR IMPEE 18 621

A=262

No references found

A=263

No references found

A=264

²⁶⁴Sg 2009DV01 RADIOACTIVITY ²⁶⁸Hs, ²⁶⁹Hs(α); measured E_α, half-lives. JOUR PRVCA 79 037602

A=265

²⁶⁵Sg 2009DV01 RADIOACTIVITY ²⁶⁸Hs, ²⁶⁹Hs(α); measured E_α, half-lives. JOUR PRVCA 79 037602
²⁶⁵Rg 2009MA15 ATOMIC MASSES ^{261,265}Rg; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry; deduced T_{1/2} limit for isomeric states of Rg. JOUR IMPEE 18 621

A=266

No references found

A=267

No references found

A=268

^{268}Hs	2009DV01	NUCLEAR REACTIONS $^{248}\text{Cm}(^{25}\text{Mg}, 4\text{n})^{269}\text{Hs}$, $(^{25}\text{Mg}, 5\text{n})^{268}\text{Hs}$, $E(\text{cm})=140$ MeV; measured α , fission events, α -SF and α - α correlations, production cross section limits. No events were assigned to ^{268}Hs and ^{269}Hs . JOUR PRVCA 79 037602
	2009DV01	RADIOACTIVITY ^{268}Hs , $^{269}\text{Hs}(\alpha)$; measured $E\alpha$, half-lives. JOUR PRVCA 79 037602

A=269

^{269}Hs	2009DV01	NUCLEAR REACTIONS $^{248}\text{Cm}(^{25}\text{Mg}, 4\text{n})^{269}\text{Hs}$, $(^{25}\text{Mg}, 5\text{n})^{268}\text{Hs}$, $E(\text{cm})=140$ MeV; measured α , fission events, α -SF and α - α correlations, production cross section limits. No events were assigned to ^{268}Hs and ^{269}Hs . JOUR PRVCA 79 037602
	2009DV01	RADIOACTIVITY ^{268}Hs , $^{269}\text{Hs}(\alpha)$; measured $E\alpha$, half-lives. JOUR PRVCA 79 037602

A=270

No references found

A=271

No references found

A=272

No references found

A=273

No references found

A=274

No references found

A=275

No references found

A=276

No references found

A=277

No references found

A=278

No references found

A=279

No references found

A=280

No references found

A=281

No references found

A=282

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