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**Recent References:
October 1, 2005 to December 31, 2005**

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This document lists experimental references added to Nuclear Science References (NSR) during the period October 1, 2005 to December 31, 2005. The first section lists keynumbers and keywords sorted by mass and nuclide. The second section lists all references, ordered by keynumber.

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Keynumbers and Keywords

A=1

^1n	2005AH07	NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \gamma, \pi^0)$, (polarized γ, π^+), $e \approx 340$ MeV; measured $\sigma(\theta)$, G asymmetries, related polarization observables. Polarized target. JOUR ZAANE 26 135
	2005GR28	NUCLEAR REACTIONS $^1\text{H}(\pi^-, \pi^+\pi^-)$, ($\pi^+, 2\pi^+$), $E=243, 264, 284, 305$ MeV; ^2H , ^{12}C , ^{40}Ca , $^{208}\text{Pb}(\pi^+, 2\pi^+)$, ($\pi^+, \pi^+\pi^-$), $E=283$ MeV; $\text{Sc}(\pi^+, 2\pi^+\text{X})$, ($\pi^+, \pi^+\pi^-\text{X}$), $E=243, 264, 284, 305$ MeV; measured invariant mass distributions, $\sigma(\theta)$, correlations; deduced partial chiral symmetry restoration. JOUR NUPAB 763 80
	2005JA17	NUCLEAR REACTIONS $^1\text{H}(\text{n}, \text{p})$, $E=11$ MeV; measured recoil proton spectra in scintillator. JOUR NIMAE 551 245
	2005J021	NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e'\pi^+)$, (polarized $e, e'\pi^0$), $E=1.515$ GeV; measured $\sigma(E, \theta)$, polarized longitudinal-transverse structure function; deduced sensitivity to Roper resonance. JOUR PRVCA 72 058202
	2005KHZX	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $\beta\text{p-}$, $\beta\text{p}\gamma$ -coin; deduced branching ratio for radiative decay. Comparison with model predictions. PREPRINT nucl-ex/0512001,12/1/2005
	2005KI19	NUCLEAR REACTIONS $^2\text{H}(\text{p}, 2\text{p})$, $E=130$ MeV; measured E_{p} , pp-coin , $\sigma(\theta_1, \theta_2)$; deduced three-nucleon force effects. JOUR PRVCA 72 044006
	2005KR14	NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e')$, $E=3.465\text{--}5.727$ GeV; measured parallel and perpendicular cross section differences. ^1n , ^3He deduced momentum transfer dependence of spin structure function. JOUR PRLTA 95 142002
	2005R037	NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $\text{n}\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
	2005R037	NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $\text{n}\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
^1H	2005AH07	NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \gamma, \pi^0)$, (polarized γ, π^+), $e \approx 340$ MeV; measured $\sigma(\theta)$, G asymmetries, related polarization observables. Polarized target. JOUR ZAANE 26 135
	2005AN30	NUCLEAR REACTIONS $^2\text{H}(^7\text{Be}, 2\alpha)$, $E=1.71, 5.55$ MeV; measured particle spectra, σ . $^7\text{Be}(\text{d}, \text{p})$, $E(\text{cm}) \approx 0.38, 1.2$ MeV; deduced astrophysical S-factors. Implications for primordial ^7Li abundance discussed. JOUR ASJOA 630 L105
	2005BA93	NUCLEAR REACTIONS $^1\text{H}(\gamma, \pi^0)$, $E=0.3\text{--}3.0$ GeV; measured pion production $\sigma(\theta)$, σ . Tagged photons. JOUR PRLTA 94 012003
	2005DEZT	NUCLEAR REACTIONS $^1\text{H}(\pi^+, \pi^+)$, (π^-, π^-), $E=19, 26, 32, 37, 43$ MeV; measured $\sigma(\theta)$; deduced real part of isospin forward scattering amplitude. PREPRINT nucl-ex/0512006,12/3/2005
	2005GA45	NUCLEAR REACTIONS $^2\text{H}(^{44}\text{Ar}, ^{45}\text{Ar})$, ($^{40}\text{Ar}, ^{41}\text{Ar}$), $E=10$ MeV / nucleon; measured particle spectra, $\sigma(E, \theta)$. ^{45}Ar deduced levels, spectroscopic factors. JOUR JPGPE 31 S1623
	2005GR26	NUCLEAR REACTIONS $^1\text{H}(e, e'\gamma)$, $E=\text{high}$; measured $\sigma(Q^2, W)$ for deeply virtual Compton scattering. JOUR ZCCNE 44 S1

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- 2005GU29 NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, ^9\text{Li})$, $E(\text{cm})=7.8$ MeV; measured $\sigma(\theta)$; deduced asymptotic normalization coefficient. $^8\text{B}(\text{p}, \gamma)$, $E=\text{low}$; calculated astrophysical S-factor. DWBA analysis, inverse kinematics, comparison with data. JOUR NUPAB 761 162
- 2005HA64 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, ^6\text{He})$, $E=71$ MeV / nucleon; measured $\sigma(\theta)$, analyzing powers; deduced optical model parameters. ^6He deduced rms radius. Polarized target. Comparison with model predictions. JOUR ZAANE 25 s01 255
- 2005J021 NUCLEAR REACTIONS $^1\text{H}(\text{polarized e}, \text{e}'\pi^+)$, ($\text{polarized e}, \text{e}'\pi^0$), $E=1.515$ GeV; measured $\sigma(E, \theta)$, polarized longitudinal-transverse structure function; deduced sensitivity to Roper resonance. JOUR PRVCA 72 058202
- 2005KHZX RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $\beta\text{p-}$, $\beta\text{p}\gamma$ -coin; deduced branching ratio for radiative decay. Comparison with model predictions. PREPRINT nucl-ex/0512001,12/1/2005
- 2005MAZM NUCLEAR REACTIONS $^2\text{H}(^{48}\text{Ca}, ^{49}\text{Ca})$, $E=105$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin. $^{48}\text{Ca}(\text{polarized d}, \text{p})$, $E=14$ MeV; measured proton spectra, $\sigma(\theta)$. ^{49}Ca deduced levels, J, π . REPT MLL 2004 Annual,P8,Maierbeck
- 2005NA36 NUCLEAR REACTIONS $^2\text{H}, \text{C}(^7\text{Li}, ^7\text{Be})$, $E=65$ MeV / nucleon; measured spin-flip and spin-nonflip particle spectra; deduced charge-exchange spin-flip σ . $^2\text{H}(\gamma, \text{n})$, $E \approx 1.5\text{-}10$ MeV; deduced magnetic dipole σ . Comparison with previous results, model predictions. JOUR PRVCA 72 041001
- 2005ON04 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{C}, ^{16}\text{C}')$, $E=33$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin; deduced σ . ^{16}C deduced deformation parameter. JOUR ZAANE 25 s01 347
- 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $\text{n}\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- 2005SE22 NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=135$ MeV / nucleon; measured $\sigma(\theta)$; deduced relativistic effects, three-nucleon force effects. Comparison with previous results. JOUR PRLTA 95 162301
- 2005SEZV NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=270$ MeV; measured $\sigma(\theta)$. Comparison with model predictions and previous data. PREPRINT nucl-ex/0510005,10/3/2005
- 2005TU09 NUCLEAR REACTIONS $^2\text{H}(^6\text{Li}, \alpha)$, $E=14$ MeV; measured triton and α spectra. $^6\text{Li}(\text{n}, \alpha)$, $E \approx 0\text{-}1$ MeV; deduced $\sigma(\theta)$. JOUR ZAANE 25 s01 649

A=2

- ^2H 2005AI06 NUCLEAR REACTIONS $^1\text{H}(\text{e}^+, \text{e}^+\text{X})$, E at 27.7 GeV / c; measured tensor asymmetry. ^2H deduced tensor structure function. Polarized target. JOUR PRLTA 95 242001

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- 2005CA42 NUCLEAR MOMENTS ^2H , ^{15}N ; measured hfs; deduced parameters. JOUR APJSA 159 181
- 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- 2005LA30 NUCLEAR REACTIONS H , $\text{C}(\text{polarized d}, \text{pX})$, E at 9 GeV / c; measured tensor analyzing power vs proton transverse momentum. ^2H deduced wave function features. JOUR PYLBB 629 60
- 2005SE22 NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=135$ MeV / nucleon; measured $\sigma(\theta)$; deduced relativistic effects, three-nucleon force effects. Comparison with previous results. JOUR PRLTA 95 162301
- 2005SEZV NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=270$ MeV; measured $\sigma(\theta)$. Comparison with model predictions and previous data. PREPRINT nucl-ex/0510005,10/3/2005
- 2005SH51 NUCLEAR REACTIONS $^4\text{He}(\gamma, \text{p})$, (γ, n) , (γ, np) , $E=21.8\text{-}29.8$ MeV; $^{12}\text{C}(\gamma, \text{p})$, (γ, n) , $E=22.3\text{-}32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004

A=3

- ^3H 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- 2005GI18 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \alpha)$, $E=25$ MeV / nucleon; measured $\sigma(\theta)$; deduced particle transfer contributions, entrance potential dependence. ^6He deduced spectroscopic factors for $\text{t}+\text{t}$ and $\text{a}+2\text{n}$ cluster configurations. SPEG spectrometer and MUST array at GANIL. DWBA and coupled-channels calculations. JOUR ZAANE 25 s01 267
- 2005KI17 NUCLEAR REACTIONS $^4\text{He}(\gamma, \text{p})$, (γ, n) , $E \approx 27.6$ MeV; measured particle spectra, tp- , $(^3\text{He})\text{n-coin}$. Time projection chamber. JOUR NIMAE 552 329
- 2005MI32 NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; $^4\text{He}(^{23}\text{F}, ^{23}\text{F}')$, $E=41.5$ MeV / nucleon; $^4\text{He}(^{24}\text{F}, ^{23}\text{F})$, $E=36$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin; deduced $\sigma(E)$. ^{23}F deduced levels, J , π . DWBA analysis. JOUR ZAANE 25 s01 367
- 2005MIZT NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $(^{23}\text{F}, ^{23}\text{F}')$, $(^{24}\text{F}, ^{23}\text{F})$, $(^{25}\text{Ne}, ^{23}\text{F})$, $E \approx 35\text{-}43$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin. $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J , π , configurations. REPT CNS-REP-67, Michimasa
- 2005RA27 NUCLEAR REACTIONS $^2\text{H}(\text{d}, \text{p})$, $E \approx 4\text{-}23$ keV; measured S-factors, electron screening effects for reactions in deuterated metals, temperature dependence. JOUR JPGPE 31 1141

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	2005SH46	NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, $\sigma(\theta)$. ^{23}F deduced levels, J , π . JOUR JPGPE 31 S1759
	2005SH51	NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8-29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3-32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
	2005ST30	NUCLEAR REACTIONS $^4\text{He}(e, e'p\pi^-)$, $(e, e'p\pi^0)$, $E=672$ MeV; measured E_p , recoil spectra, $\sigma(\theta)$. Comparison with model predictions. JOUR PRLTA 95 172501
	2005TU09	NUCLEAR REACTIONS $^2\text{H}(^6\text{Li}, t\alpha)$, $E=14$ MeV; measured triton and α spectra. $^6\text{Li}(n, \alpha)$, $E \approx 0-1$ MeV; deduced $\sigma(\theta)$. JOUR ZAANE 25 s01 649
	2005VE08	NUCLEAR REACTIONS $^6\text{Li}(n, \alpha)$, $E=\text{reactor}$; measured triton spectra, angular distribution; deduced P-odd asymmetry coefficient. JOUR PZETA 82 519
^3He	2005KI17	NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , $E \approx 27.6$ MeV; measured particle spectra, tp-, $(^3\text{He})n$ -coin. Time projection chamber. JOUR NIMAE 552 329
	2005KR14	NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e')$, $E=3.465-5.727$ GeV; measured parallel and perpendicular cross section differences. 1n , ^3He deduced momentum transfer dependence of spin structure function. JOUR PRLTA 95 142002
	2005NI20	NUCLEAR REACTIONS $^4\text{He}(\gamma, n)$, $E=23-42$ MeV; measured $\sigma(\theta)$; deduced angle-integrated σ . Comparison with previous data and various model calculations. Liquid target, tagged photons. JOUR PYLBB 626 65
	2005SH51	NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8-29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3-32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
	2005ST30	NUCLEAR REACTIONS $^4\text{He}(e, e'p\pi^-)$, $(e, e'p\pi^0)$, $E=672$ MeV; measured E_p , recoil spectra, $\sigma(\theta)$. Comparison with model predictions. JOUR PRLTA 95 172501

A=4

4n	2005KI20	NUCLEAR REACTIONS $^4\text{He}(\pi^+, \pi^-)$, $E=120, 150, 180, 240, 270$ MeV; $^4\text{He}(\pi^-, \pi^+)$, $E=180, 240$ MeV; measured $\sigma(E, \theta)$; deduced multiple scattering effects, total σ . JOUR PRVCA 72 044608
^4He	2005MI32	NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; $^4\text{He}(^{23}\text{F}, ^{23}\text{F}')$, $E=41.5$ MeV / nucleon; $^4\text{He}(^{24}\text{F}, ^{23}\text{F})$, $E=36$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin; deduced $\sigma(E)$. ^{23}F deduced levels, J , π . DWBA analysis. JOUR ZAANE 25 s01 367

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⁴ Be	2005MIZT	NUCLEAR REACTIONS ⁴ He(²² O, ²³ F), (²³ F, ²³ F'), (²⁴ F, ²³ F), (²⁵ Ne, ²³ F), E ≈ 35-43 MeV / nucleon; measured E _γ , I _γ , (particle)γ-, γγ-coin. ⁴ He(²² O, ²³ F), E=35 MeV / nucleon; measured σ(θ). ²³ F deduced levels, J, π, configurations. REPT CNS-REP-67, Michimasa
	2005SU25	RADIOACTIVITY ⁸ B(ECα) [from ⁶ Li(³ He, n)]; ⁸ Li(β-α) [from ⁷ Li(d, p)]; measured β-NMR spectra; angular correlations; deduced limit on G-parity term. JOUR ZAANE 25 s01 709
	2005WRZZ	NUCLEAR REACTIONS ² H(d, X) ⁴ He, E ≈ threshold; measured η production σ, σ(θ). PREPRINT nucl-ex/0510056, 10/20/2005
	2005KI20	NUCLEAR REACTIONS ⁴ He(π ⁺ , π ⁻), E=120, 150, 180, 240, 270 MeV; ⁴ He(π ⁻ , π ⁺), E=180, 240 MeV; measured σ(E, θ); deduced multiple scattering effects, total σ. JOUR PRVCA 72 044608

A=5

⁵ H	2005TE05	NUCLEAR REACTIONS ³ H(t, p), E=58 MeV; ² H(⁶ He, t), (⁶ He, ³ He), E=132 MeV; measured particle spectra, angular correlations following residual nucleus decay. ⁵ He deduced resonances J, π, IAS features. ⁵ H deduced ground-state resonance energy. JOUR ZAANE 25 s01 315
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	2005MIZT	NUCLEAR REACTIONS ⁴ He(²² O, ²³ F), (²³ F, ²³ F'), (²⁴ F, ²³ F), (²⁵ Ne, ²³ F), E ≈ 35-43 MeV / nucleon; measured E _γ , I _γ , (particle)γ-, γγ-coin. ⁴ He(²² O, ²³ F), E=35 MeV / nucleon; measured σ(θ). ²³ F deduced levels, J, π, configurations. REPT CNS-REP-67, Michimasa
	2005S013	NUCLEAR REACTIONS ¹⁶ O(⁹ Be, α ⁷ Be), ⁷ Li(⁹ Be, α ⁷ Li), (⁹ Be, t2α), E=55, 70 MeV; measured excitation energy spectra. ¹¹ B, ¹¹ C deduced excited states energies, configurations. JOUR JPGPE 31 S1701
	2005TE05	NUCLEAR REACTIONS ³ H(t, p), E=58 MeV; ² H(⁶ He, t), (⁶ He, ³ He), E=132 MeV; measured particle spectra, angular correlations following residual nucleus decay. ⁵ He deduced resonances J, π, IAS features. ⁵ H deduced ground-state resonance energy. JOUR ZAANE 25 s01 315

A=6

⁶ He	2005GI18	NUCLEAR REACTIONS ¹ H(⁶ He, α), E=25 MeV / nucleon; measured σ(θ); deduced particle transfer contributions, entrance potential dependence. ⁶ He deduced spectroscopic factors for t+t and a+2n cluster configurations. SPEG spectrometer and MUST array at GANIL. DWBA and coupled-channels calculations. JOUR ZAANE 25 s01 267
	2005HA64	NUCLEAR REACTIONS ¹ H(⁶ He, ⁶ He), E=71 MeV / nucleon; measured σ(θ), analyzing powers; deduced optical model parameters. ⁶ He deduced rms radius. Polarized target. Comparison with model predictions. JOUR ZAANE 25 s01 255

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	2005KI21	NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{p})$, $(^8\text{He}, \text{p})$, $E \approx 700$ MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. $^6,^8\text{He}$ deduced nuclear matter density distributions, charge radii, cluster configurations, spectroscopic factors. JOUR ZAANE 25 s01 215
	2005YE05	NUCLEAR REACTIONS $^9\text{Be}(^6\text{He}, ^6\text{He})$, $(^6\text{He}, ^5\text{He})$, $(^6\text{He}, \alpha)$, $(^6\text{He}, \alpha\text{X})$, $(^6\text{He}, \text{tX})$, $E=25$ MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ^6He deduced two-triton configuration. JOUR JPGPE 31 S1647
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	2005B049	NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{n})$, E not given; measured Doppler-shifted $E\gamma$, $I\gamma$. ^7Li deduced resonance features, IAS. JOUR ZAANE 25 s01 259
	2005MIZT	NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $(^{23}\text{F}, ^{23}\text{F}')$, $(^{24}\text{F}, ^{23}\text{F})$, $(^{25}\text{Ne}, ^{23}\text{F})$, $E \approx 35\text{-}43$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin. $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J , π , configurations. REPT CNS-REP-67, Michimasa
	2005N015	NUCLEAR MOMENTS $^{6,7,8,9}\text{Li}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization mass spectroscopy, comparison with model predictions. JOUR ZAANE 25 s01 199
^6Be	2004GU21	NUCLEAR REACTIONS $^9\text{Be}(^{14}\text{B}, ^{13}\text{BX})$, $E=60$ MeV / nucleon; measured $E\gamma$, $I\gamma$, particle momentum distribution, $\sigma(E)$. ^{13}B deduced levels, J , π , asymptotic normalization coefficients. $^2\text{H}(^8\text{B}, \alpha)$, $E=28.5$ MeV; measured $E\alpha$. JOUR BJPHE 34 1012

A=7

^7He	2005R037	NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
^7Li	2005BA96	NUCLEAR REACTIONS $^7\text{Li}(^7\text{Be}, ^7\text{Be})$, $E(\text{cm})=8.87, 9.87$ MeV; measured $\sigma(\theta)$; deduced optical model parameters. JOUR PRVCA 72 044602
	2005B049	NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{n})$, E not given; measured Doppler-shifted $E\gamma$, $I\gamma$. ^7Li deduced resonance features, IAS. JOUR ZAANE 25 s01 259
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	2005R037	NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977

A=7 (continued)

- 2005RU18 NUCLEAR REACTIONS ${}^7\text{Li}({}^{11}\text{B}, \text{X})$, $E=44$ MeV; measured particle spectra, charge distributions. ${}^7\text{Li}({}^{11}\text{B}, {}^{11}\text{B})$, $({}^{11}\text{B}, {}^{11}\text{B}')$, $E=44$ MeV; measured $\sigma(E, \theta)$; ${}^{11}\text{B}({}^7\text{Li}, {}^7\text{Li})$, $({}^7\text{Li}, {}^7\text{Li}')$, $E=34$ MeV; analyzed $\sigma(E, \theta)$; deduced optical model parameters, transfer channel contributions, reorientation effects. ${}^7\text{Li}$, ${}^{11}\text{B}$ deduced deformation parameters. Optical model and coupled-reaction-channels analysis. JOUR PRVCA 72 034608
- ${}^7\text{Be}$ 2005DA41 NUCLEAR REACTIONS $\text{H}, \text{C}({}^7\text{Li}, \text{X}){}^7\text{Be}$, $E \approx 25\text{-}30$ MeV; measured yields. JOUR NIMBE 241 953
- 2005SE23 NUCLEAR REACTIONS ${}^{197}\text{Au}(\text{n}, \gamma)$, $E=\text{spectrum}$; measured $E\gamma$, $I\gamma$; deduced neutron flux. ${}^7\text{Li}(\text{p}, \text{n})$, E not given; deduced neutron spectrum. ${}^{62}\text{Ni}(\text{n}, \gamma)$, $E \approx 5.5\text{-}20$ keV; measured σ ; deduced Maxwellian-averaged σ . JOUR JUPSA 74 2981

A=8

- ${}^8\text{He}$ 2005KI21 NUCLEAR REACTIONS ${}^1\text{H}({}^6\text{He}, \text{p})$, $({}^8\text{He}, \text{p})$, $E \approx 700$ MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. ${}^6,8\text{He}$ deduced nuclear matter density distributions, charge radii, cluster configurations, spectroscopic factors. JOUR ZAANE 25 s01 215
- ${}^8\text{Li}$ 2005B045 RADIOACTIVITY ${}^8,9\text{Li}(\beta^-)$ [from $\text{Ta}(\text{p}, \text{X})$]; measured β -asymmetries, β -NMR spectra from polarized sources. ${}^8,9\text{Li}$ deduced quadrupole moments. ${}^9\text{Li}$ deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005N015 NUCLEAR MOMENTS ${}^{6,7,8,9}\text{Li}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization mass spectroscopy, comparison with model predictions. JOUR ZAANE 25 s01 199
- 2005SU25 RADIOACTIVITY ${}^8\text{B}(\text{EC}\alpha)$ [from ${}^6\text{Li}({}^3\text{He}, \text{n})$]; ${}^8\text{Li}(\beta^- \alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$]; measured β -NMR spectra; angular correlations; deduced limit on G-parity term. JOUR ZAANE 25 s01 709
- ${}^8\text{Be}$ 2005AN30 NUCLEAR REACTIONS ${}^2\text{H}({}^7\text{Be}, 2\alpha)$, $E=1.71, 5.55$ MeV; measured particle spectra, σ . ${}^7\text{Be}(\text{d}, \text{p})$, $E(\text{cm}) \approx 0.38, 1.2$ MeV; deduced astrophysical S-factors. Implications for primordial ${}^7\text{Li}$ abundance discussed. JOUR ASJOA 630 L105
- 2005B045 RADIOACTIVITY ${}^8,9\text{Li}(\beta^-)$ [from $\text{Ta}(\text{p}, \text{X})$]; measured β -asymmetries, β -NMR spectra from polarized sources. ${}^8,9\text{Li}$ deduced quadrupole moments. ${}^9\text{Li}$ deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005SCZV NUCLEAR REACTIONS ${}^9\text{Be}({}^{26}\text{Mg}, {}^{27}\text{Mg})$, $E=57$ MeV; measured $E\gamma$, $I\gamma$, $\alpha\alpha$ -coin, $\sigma(\theta)$. ${}^{27}\text{Mg}$ deduced transitions. REPT MLL 2004 Annual,P4,Schwerdtfeger
- 2005SPZY NUCLEAR REACTIONS ${}^{12}\text{C}({}^{32}\text{S}, {}^{36}\text{Ar})$, $E=65$ MeV; ${}^{12}\text{C}({}^{34}\text{S}, {}^{38}\text{Ar})$, $E=67$ MeV; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\alpha\gamma$ -coin. ${}^{36,38}\text{Ar}$ levels deduced g factors. Transient field technique. Comparison with shell model predictions. REPT MLL 2004 Annual,P5,Speidel
- ${}^8\text{B}$ 2005SU25 RADIOACTIVITY ${}^8\text{B}(\text{EC}\alpha)$ [from ${}^6\text{Li}({}^3\text{He}, \text{n})$]; ${}^8\text{Li}(\beta^- \alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$]; measured β -NMR spectra; angular correlations; deduced limit on G-parity term. JOUR ZAANE 25 s01 709

A=8 (*continued*)

- 2005TA32 NUCLEAR REACTIONS Be, C, Al(^{12}C , X), E=30-200 MeV / nucleon; Be(^9Be , X), E=70-100 MeV / nucleon; measured reaction $\sigma(E)$; deduced nucleon-nucleon interaction range. ^8B deduced nuclear matter density distribution. Comparison with Glauber calculations. JOUR ZAANE 25 s01 217

A=9

- ^9He 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- ^9Li 2005B045 RADIOACTIVITY $^{8,9}\text{Li}(\beta^-)$ [from Ta(p, X)]; measured β -asymmetries, β -NMR spectra from polarized sources. $^{8,9}\text{Li}$ deduced quadrupole moments. ^9Li deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005N015 NUCLEAR MOMENTS $^{6,7,8,9}\text{Li}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization mass spectroscopy, comparison with model predictions. JOUR ZAANE 25 s01 199
- 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- ^9Be 2005AD35 NUCLEAR REACTIONS $^6\text{Li}(^6\text{Li}, \alpha\text{X})$, ($^7\text{Li}, \alpha\text{X}$), E=14-20 MeV; measured α -spectra. $^{12}\text{C}(n, \alpha)$, E=72.8 MeV; $^{28}\text{Si}(^6\text{Li}, \alpha)$, E=36 MeV; analyzed α -spectra. Statistical model calculations. Target-projectile symmetry discussed. JOUR ZAANE 25 s01 299
- 2005B045 RADIOACTIVITY $^{8,9}\text{Li}(\beta^-)$ [from Ta(p, X)]; measured β -asymmetries, β -NMR spectra from polarized sources. $^{8,9}\text{Li}$ deduced quadrupole moments. ^9Li deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005YE05 NUCLEAR REACTIONS $^9\text{Be}(^6\text{He}, ^6\text{He})$, ($^6\text{He}, ^5\text{He}$), ($^6\text{He}, \alpha$), ($^6\text{He}, \alpha\text{X}$), ($^6\text{He}, t\text{X}$), E=25 MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ^6He deduced two-triton configuration. JOUR JPGPE 31 S1647
- ^9C 2005GU29 NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, ^9\text{Li})$, E(cm)=7.8 MeV; measured $\sigma(\theta)$; deduced asymptotic normalization coefficient. $^8\text{B}(p, \gamma)$, E=low; calculated astrophysical S-factor. DWBA analysis, inverse kinematics, comparison with data. JOUR NUPAB 761 162

A=10

- ^{10}Be 2005YE05 NUCLEAR REACTIONS $^9\text{Be}(^6\text{He}, ^6\text{He})$, $(^6\text{He}, ^5\text{He})$, $(^6\text{He}, \alpha)$, $(^6\text{He}, \alpha\text{X})$, $(^6\text{He}, \text{tX})$, $E=25$ MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ^6He deduced two-triton configuration. JOUR JPGPE 31 S1647
- ^{10}B 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320

A=11

- ^{11}Li 2005BB01 ATOMIC MASSES ^{11}Li ; measured mass; deduced two-neutron separation energy. ^{11}Be ; measured mass. Transmission mass spectrometer. JOUR ZAANE 25 s01 31
- ^{11}Be 2005BB01 ATOMIC MASSES ^{11}Li ; measured mass; deduced two-neutron separation energy. ^{11}Be ; measured mass. Transmission mass spectrometer. JOUR ZAANE 25 s01 31
- 2005PA68 NUCLEAR REACTIONS $\text{C}(^{12}\text{Be}, \text{n}^{11}\text{Be})$, $E=39.3$ MeV / nucleon; measured E_n , E_γ , projectile-like fragments spectra, relative energy spectra; deduced $\sigma(E)$. ^{11}Be deduced excited states. ^{12}Be deduced ground state configuration. Kinematically complete measurement. JOUR ZAANE 25 s01 349
- 2005PAZV NUCLEAR REACTIONS $\text{C}(^{12}\text{Be}, ^{11}\text{BeX})$, $E(\text{cm}) \approx 39.3$ MeV; measured E_γ , E_n , (particle) γ -, (particle) n -coin; deduced one-neutron removal $\sigma(E)$. ^{11}Be levels deduced spectroscopic factors. ^{12}Be deduced ground-state configuration. PREPRINT nucl-ex/0510048,10/16/2005
- 2005YE05 NUCLEAR REACTIONS $^9\text{Be}(^6\text{He}, ^6\text{He})$, $(^6\text{He}, ^5\text{He})$, $(^6\text{He}, \alpha)$, $(^6\text{He}, \alpha\text{X})$, $(^6\text{He}, \text{tX})$, $E=25$ MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ^6He deduced two-triton configuration. JOUR JPGPE 31 S1647
- ^{11}B 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- 2005KAZU NUCLEAR REACTIONS $^{11}\text{B}(\text{d}, \text{d}')$, $E=200$ MeV; measured $\sigma(E, \theta)$. ^{11}B levels deduced isoscalar monopole and quadrupole strengths, cluster structure. Comparison with antisymmetrized molecular dynamics model predictions. PREPRINT nucl-ex/0512040,12/25/2005
- 2005RU18 NUCLEAR REACTIONS $^7\text{Li}(^{11}\text{B}, \text{X})$, $E=44$ MeV; measured particle spectra, charge distributions. $^7\text{Li}(^{11}\text{B}, ^{11}\text{B})$, $(^{11}\text{B}, ^{11}\text{B}')$, $E=44$ MeV; measured $\sigma(E, \theta)$; $^{11}\text{B}(^7\text{Li}, ^7\text{Li})$, $(^7\text{Li}, ^7\text{Li}')$, $E=34$ MeV; analyzed $\sigma(E, \theta)$; deduced optical model parameters, transfer channel contributions, reorientation effects. ^7Li , ^{11}B deduced deformation parameters. Optical model and coupled-reaction-channels analysis. JOUR PRVCA 72 034608

A=11 (continued)

	2005SH51	NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8\text{-}29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3\text{-}32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
	2005S013	NUCLEAR REACTIONS $^{16}\text{O}(^9\text{Be}, \alpha^7\text{Be})$, $^7\text{Li}(^9\text{Be}, \alpha^7\text{Li})$, $(^9\text{Be}, t2\alpha)$, $E=55, 70$ MeV; measured excitation energy spectra. ^{11}B , ^{11}C deduced excited states energies, configurations. JOUR JPGPE 31 S1701
^{11}C	2005SH51	NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8\text{-}29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3\text{-}32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
	2005S013	NUCLEAR REACTIONS $^{16}\text{O}(^9\text{Be}, \alpha^7\text{Be})$, $^7\text{Li}(^9\text{Be}, \alpha^7\text{Li})$, $(^9\text{Be}, t2\alpha)$, $E=55, 70$ MeV; measured excitation energy spectra. ^{11}B , ^{11}C deduced excited states energies, configurations. JOUR JPGPE 31 S1701

A=12

^{12}Be	2005PA68	NUCLEAR REACTIONS $\text{C}(^{12}\text{Be}, n^{11}\text{Be})$, $E=39.3$ MeV / nucleon; measured E_n , E_γ , projectile-like fragments spectra, relative energy spectra; deduced $\sigma(E)$. ^{11}Be deduced excited states. ^{12}Be deduced ground state configuration. Kinematically complete measurement. JOUR ZAANE 25 s01 349
	2005PAZV	NUCLEAR REACTIONS $\text{C}(^{12}\text{Be}, ^{11}\text{BeX})$, $E(\text{cm}) \approx 39.3$ MeV; measured E_γ , E_n , (particle) γ -, (particle) n -coin; deduced one-neutron removal $\sigma(E)$. ^{11}Be levels deduced spectroscopic factors. ^{12}Be deduced ground-state configuration. PREPRINT nucl-ex/0510048,10/16/2005
^{12}B	2005CU06	NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
	2005DI16	RADIOACTIVITY $^{12}\text{B}(\beta^-)$, $(\beta^-3\alpha)$ [from $\text{Ta}(p, X)$]; measured β -delayed E_α , $\alpha\alpha$ -coin. ^{12}C deduced excited states, J , π . R-matrix analysis. JOUR NUPAB 760 3
^{12}C	2005AL37	NUCLEAR REACTIONS $^{12}\text{C}(^3\text{He}, t\pi^+)$, $E=2$ GeV; measured excitation energy spectra. $^1\text{H}(d, d'X)$, $(\alpha, \alpha'X)$, $E \approx 1$ GeV / nucleon; measured missing mass spectra. JOUR NIMAE 551 290
	2005DA42	NUCLEAR REACTIONS $^{12}\text{C}(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{130}\text{Te}, ^{130}\text{Te}')$, $(^{126}\text{Te}, ^{126}\text{Te}')$, $(^{122}\text{Te}, ^{122}\text{Te}')$, $E=3$ MeV / nucleon; measured E_γ , $I_\gamma(\theta)$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g-factor. Recoil-in-vacuum technique. JOUR NIMBE 241 971
	2005DI16	RADIOACTIVITY $^{12}\text{B}(\beta^-)$, $(\beta^-3\alpha)$ [from $\text{Ta}(p, X)$]; measured β -delayed E_α , $\alpha\alpha$ -coin. ^{12}C deduced excited states, J , π . R-matrix analysis. JOUR NUPAB 760 3
	2005G036	ATOMIC MASSES ^{12}C , ^{16}O , ^{20}Ne , ^{32}S , $^{36,40}\text{Ar}$; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869

A=12 (continued)

- 2005GR25 NUCLEAR REACTIONS $^{64}\text{Ni}(^{132}\text{Sn}, \text{X})$, $(^{134}\text{Sn}, \text{X})$, $E=450\text{-}620$ MeV; measured fusion σ . $\text{C}(^{130}\text{Te}, ^{130}\text{Te}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $E=3$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g factor. $^{13}\text{C}(^{134}\text{Te}, ^{135}\text{Te})$, $E=550$ MeV; measured $E\gamma$, $I\gamma$. ^{135}Te level deduced J , π . JOUR JPGPE 31 S1639
- 2005KN02 RADIOACTIVITY $^{13}\text{O}(\beta^+\text{p})$ [from $^{14}\text{N}(\text{p}, 2\text{n})$]; measured β -delayed E_p , I_p ; deduced log ft. ^{13}N deduced branching ratios for proton decay from excited states. JOUR PRVCA 72 044312
- 2005KU36 NUCLEAR REACTIONS $^{15}\text{N}(\text{p}, \alpha\gamma)$, $E \approx 429, 897$ keV; measured γ -ray yields for nitrogen in various materials; deduced depth profiles. JOUR NIMBE 240 704
- 2005S014 NUCLEAR REACTIONS $^{12}\text{C}(^6\text{Li}, d\alpha)$, $E=26$ MeV; $^{59}\text{Co}(^6\text{Li}, d\alpha)$, $E=30$ MeV; measured particle spectra, $\sigma(\theta(\alpha), \theta(d))$, three-body final state correlations; deduced reaction mechanism features. JOUR BJPHE 35 888

A=13

- ^{13}B 2004GU21 NUCLEAR REACTIONS $^9\text{Be}(^{14}\text{B}, ^{13}\text{BX})$, $E=60$ MeV / nucleon; measured $E\gamma$, $I\gamma$, particle momentum distribution, $\sigma(E)$. ^{13}B deduced levels, J , π , asymptotic normalization coefficients. $^2\text{H}(^8\text{B}, \alpha)$, $E=28.5$ MeV; measured $E\alpha$. JOUR BJPHE 34 1012
- ^{13}C 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- ^{13}N 2005FE11 NUCLEAR REACTIONS $^1\text{H}(^{12}\text{C}, \gamma)$, $E(\text{cm})=206.8, 229.5$ keV; measured yields. Accelerator mass spectrometry. JOUR NIMBE 240 495
- 2005KN02 RADIOACTIVITY $^{13}\text{O}(\beta^+\text{p})$ [from $^{14}\text{N}(\text{p}, 2\text{n})$]; measured β -delayed E_p , I_p ; deduced log ft. ^{13}N deduced branching ratios for proton decay from excited states. JOUR PRVCA 72 044312
- 2006LE01 NUCLEAR REACTIONS $^{13}\text{C}(\text{p}, \text{n})$, $E=5\text{-}30$ MeV; measured neutron yield. Comparison with previous results. JOUR NIMAE 556 397
- ^{13}O 2005KN02 RADIOACTIVITY $^{13}\text{O}(\beta^+\text{p})$ [from $^{14}\text{N}(\text{p}, 2\text{n})$]; measured β -delayed E_p , I_p ; deduced log ft. ^{13}N deduced branching ratios for proton decay from excited states. JOUR PRVCA 72 044312

A=14

- ^{14}C 2005MC12 NUCLEAR REACTIONS $^{12}\text{C}(^{16}\text{O}, ^{14}\text{O})$, E not given; measured excitation energy spectra. ^{14}C deduced decay branch widths. JOUR JPGPE 31 S1921
- 2005NE14 NUCLEAR REACTIONS $^{14}\text{N}(d, 2\text{p})$, $E=170$ MeV; $^{14}\text{N}(^3\text{He}, \text{t})$, $E=420$ MeV; measured excitation energy spectra; deduced isospin symmetry features. JOUR JPGPE 31 S1931

A=14 (continued)

¹⁴ N	2005S013	NUCLEAR REACTIONS ¹⁶ O(⁹ Be, α ⁷ Be), ⁷ Li(⁹ Be, α ⁷ Li), (⁹ Be, t2α), E=55, 70 MeV; measured excitation energy spectra. ¹¹ B, ¹¹ C deduced excited states energies, configurations. JOUR JPGPE 31 S1701
	2005BL23	NUCLEAR REACTIONS ¹² C, ¹⁴ N(¹⁷ F, ¹⁷ F), E=10 MeV / nucleon; measured σ(θ); deduced parameters, reaction mechanism features. Double-folding procedure. JOUR PRVCA 72 034606
	2005MA92	NUCLEAR REACTIONS ¹³ C(p, γ), E≈ 450-680 MeV; measured Eγ, Iγ. ¹⁴ N deduced resonance width. Monolayer target. JOUR NIMAE 555 31
	2005RA26	NUCLEAR MOMENTS ¹⁴ N; measured hfs; deduced parameters. JOUR CHPLB 415 161
¹⁴ O	2005GU25	NUCLEAR REACTIONS ¹ H(¹⁴ O, p), E=120 MeV; measured recoil proton spectra, σ(θ). ¹⁵ F deduced resonance energies, J, π. JOUR PRVCA 72 034312
	2005NE14	NUCLEAR REACTIONS ¹⁴ N(d, 2p), E=170 MeV; ¹⁴ N(³ He, t), E=420 MeV; measured excitation energy spectra; deduced isospin symmetry features. JOUR JPGPE 31 S1931

A=15

¹⁵ C	2005DA38	NUCLEAR REACTIONS Pb(¹⁷ C, n ¹⁶ C), (²³ O, n ²² O), E ≈ 400-600 MeV / nucleon; measured Eγ, Iγ, Coulomb dissociation σ. ¹⁴ C(n, γ), E(cm)=23 keV; deduced capture σ. JOUR JPGPE 31 S1583
	2005DA43	NUCLEAR REACTIONS Pb(¹⁷ C, n ¹⁶ C), (²³ O, n ²² O), E ≈ 400-600 MeV / nucleon; measured Eγ, Iγ, Coulomb dissociation σ. ¹⁴ C(n, γ), E(cm)=23 keV; deduced capture σ. JOUR ZAANE 25 s01 339
¹⁵ N	2005CA42	NUCLEAR MOMENTS ² H, ¹⁵ N; measured hfs; deduced parameters. JOUR APJSA 159 181
	2005LA28	NUCLEAR REACTIONS ² H(¹⁴ N, p), E=10.6 MeV / nucleon; measured Ep, Eγ, σ(θ). Comparison with previous results. JOUR JPGPE 31 S1691
¹⁵ O	2005BB05	NUCLEAR REACTIONS ¹ H(¹⁸ F, p), E(cm) ≈ 0.3-1.3 MeV; measured Ep, σ(θ); deduced excitation functions. ¹⁹ Ne deduced resonance energies, J, π, analog states. ¹⁸ F(p, α), (p, γ), E=low; calculated astrophysical reaction rates. JOUR ZAANE 25 s01 643
	2005IM02	NUCLEAR REACTIONS ¹⁴ N(p, γ), E(cm)=119-367 keV; measured Eγ, Iγ, excitation functions; deduced astrophysical S-factors. R-matrix analysis. JOUR ZAANE 25 455
	2005PR20	NUCLEAR REACTIONS ¹⁴ N(p, γ), E=low; measured Eγ, Iγ; deduced astrophysical S-factor. Solid and gas targets. JOUR JPGPE 31 S1537
¹⁵ F	2005GU25	NUCLEAR REACTIONS ¹ H(¹⁴ O, p), E=120 MeV; measured recoil proton spectra, σ(θ). ¹⁵ F deduced resonance energies, J, π. JOUR PRVCA 72 034312

A=16

¹⁶ Be	2004TH15	NUCLEAR REACTIONS Be(⁴⁰ Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶ Be. ¹² C(²⁴ F, X), (²⁵ F, X), (²⁶ F, X) ²⁰ O / ²¹ O / ²² O / ²³ O / ²⁴ O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵ O. JOUR APHPF 21 379
¹⁶ C	2005B039	NUCLEAR REACTIONS ^{13,14} C(¹² C, ⁹ C), E=231 MeV; measured excitation energy spectra. ^{16,17} C deduced levels, J, π, configurations. JOUR JPGPE 31 S1461
	2005ON04	NUCLEAR REACTIONS ¹ H(¹⁶ C, ¹⁶ C'), E=33 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin; deduced σ. ¹⁶ C deduced deformation parameter. JOUR ZAANE 25 s01 347
¹⁶ O	2005G036	ATOMIC MASSES ¹² C, ¹⁶ O, ²⁰ Ne, ³² S, ^{36,40} Ar; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
	2005SC29	NUCLEAR REACTIONS ⁴ He(¹² C, γ), E=0.7-5.0 MeV; measured total recoil spectra, σ. ¹² C(α, γ), E=1.9-4.9 MeV; deduced astrophysical S-factors. JOUR ZAANE 26 301
	2005SCZT	NUCLEAR REACTIONS ⁴ He(¹² C, γ), E not given; measured recoil particle spectra. ¹² C(α, γ), E=1.9-4.9 MeV; deduced astrophysical S-factors, resonance features. PREPRINT nucl-ex/0511050,11/29/2005

A=17

¹⁷ C	2005B039	NUCLEAR REACTIONS ^{13,14} C(¹² C, ⁹ C), E=231 MeV; measured excitation energy spectra. ^{16,17} C deduced levels, J, π, configurations. JOUR JPGPE 31 S1461
¹⁷ O	2005DE54	NUCLEAR REACTIONS ¹⁴ N(α, p), E=4893-6047 keV; measured σ(θ=172°). Application to nitrogen depth profiling discussed. JOUR NIMBE 240 803
¹⁷ F	2005AN24	NUCLEAR REACTIONS ¹⁴ N, ¹² C, ¹⁶ O(d, n), E not given; measured activation yields in plasma focus device. JOUR ARISE 63 545
¹⁷ Ne	2005KA51	NUCLEAR REACTIONS Be(¹⁷ Ne, ¹⁵ OX), E=64 MeV / nucleon; measured fragments longitudinal momentum distributions, interaction σ. ¹⁷ Ne deduced two-proton halo features. Few-body Glauber model analysis. JOUR ZAANE 25 s01 327
	2005TA33	NUCLEAR REACTIONS ⁹ Be, ¹² C, ²⁷ Al(¹⁷ Ne, X), E=42, 62 MeV / nucleon; measured interaction and reaction σ. ¹⁷ Ne deduced matter density distribution. JOUR ZAANE 25 s01 221

A=18

¹⁸ O	2005N013	NUCLEAR REACTIONS ² H, ^{3,4} He, ^{6,7} Li, ⁹ Be, ^{10,11} B, ¹⁶ O, ¹⁹ F(polarized p, 2p), E=392 MeV; measured analyzing powers. Comparison with model predictions. JOUR PRVCA 72 041602
¹⁸ F	2005BB05	NUCLEAR REACTIONS ¹ H(¹⁸ F, p), E(cm) ≈ 0.3-1.3 MeV; measured Ep, σ(θ); deduced excitation functions. ¹⁹ Ne deduced resonance energies, J, π, analog states. ¹⁸ F(p, α), (p, γ), E=low; calculated astrophysical reaction rates. JOUR ZAANE 25 s01 643

A=19

¹⁹ O	2005K043	NUCLEAR REACTIONS U(p, X) ¹⁹ O / ²⁰ O / ²¹ O / ²² O, E=1.4GeV; measured yields. JOUR ZAANE 25 s01 729
¹⁹ Ne	2005BB05	NUCLEAR REACTIONS ¹ H(¹⁸ F, p), E(cm) $\approx$ 0.3-1.3 MeV; measured E _p , $\sigma(\theta)$; deduced excitation functions. ¹⁹ Ne deduced resonance energies, J, π , analog states. ¹⁸ F(p, α), (p, γ), E=low; calculated astrophysical reaction rates. JOUR ZAANE 25 s01 643
	2005TA28	NUCLEAR REACTIONS ¹⁷ O(³ He, n), E=3.0 MeV; measured E γ , I γ , n γ -coin, DSA. ¹⁹ Ne levels deduced energies, T _{1/2} . Astrophysical implications discussed. Comparison with model predictions. JOUR PRVCA 72 041302

A=20

²⁰ O	2004TH15	NUCLEAR REACTIONS Be(⁴⁰ Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶ Be. ¹² C(²⁴ F, X), (²⁵ F, X), (²⁶ F, X) ²⁰ O / ²¹ O / ²² O / ²³ O / ²⁴ O, E $\approx$ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵ O. JOUR APHPF 21 379
	2005K043	NUCLEAR REACTIONS U(p, X) ¹⁹ O / ²⁰ O / ²¹ O / ²² O, E=1.4GeV; measured yields. JOUR ZAANE 25 s01 729
²⁰ Ne	2005BB06	NUCLEAR REACTIONS ¹² C(¹² C, X), E=5.3-7 MeV; measured E γ , I γ , thick-target yields. ¹² C(¹² C, p), (¹² C, α), E=5.3-7 MeV; deduced σ . Astrophysical implications discussed. JOUR ZAANE 25 s01 645
	2005G036	ATOMIC MASSES ¹² C, ¹⁶ O, ²⁰ Ne, ³² S, ^{36,40} Ar; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
	2005IL03	NUCLEAR REACTIONS ²³ Na(p, γ), (p, α), E=130-155 keV; measured E γ , I γ ; deduced resonance strength upper limits, astrophysical reaction rates. JOUR JPGPE 31 S1785

A=21

²¹ O	2004TH15	NUCLEAR REACTIONS Be(⁴⁰ Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶ Be. ¹² C(²⁴ F, X), (²⁵ F, X), (²⁶ F, X) ²⁰ O / ²¹ O / ²² O / ²³ O / ²⁴ O, E $\approx$ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵ O. JOUR APHPF 21 379
	2005K043	NUCLEAR REACTIONS U(p, X) ¹⁹ O / ²⁰ O / ²¹ O / ²² O, E=1.4GeV; measured yields. JOUR ZAANE 25 s01 729

A=22

²² O	2004TH15	NUCLEAR REACTIONS Be(⁴⁰ Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶ Be. ¹² C(²⁴ F, X), (²⁵ F, X), (²⁶ F, X) ²⁰ O / ²¹ O / ²² O / ²³ O / ²⁴ O, E $\approx$ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵ O. JOUR APHPF 21 379
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A=22 (continued)

- 2005K043 NUCLEAR REACTIONS $U(p, X)^{19}O / ^{20}O / ^{21}O / ^{22}O$, $E=1.4\text{GeV}$; measured yields. JOUR ZAANE 25 s01 729
- ^{22}Ne 2005KE08 NUCLEAR REACTIONS $^{150}\text{Nd}(^{26}\text{Ne}, X)^{22}\text{Ne} / ^{23}\text{Na} / ^{28}\text{Mg}$, $E=160\text{MeV}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{22}Ne , ^{23}Na , ^{28}Mg deduced levels, J , π . Euroball IV array, fragment separator. JOUR JPGPE 31 S1903
- 2005KE11 NUCLEAR REACTIONS $^{150}\text{Nd}(^{26}\text{Mg}, X)$, $E=160\text{MeV}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{22}Ne , ^{23}Na deduced levels, J , π . Euroball IV array, binary reaction spectrometer. JOUR ZAANE 25 s01 431

A=23

- ^{23}O 2004TH15 NUCLEAR REACTIONS $\text{Be}(^{40}\text{Ar}, X)$, $E=140\text{MeV}$ / nucleon; measured fragment isotopic yields; deduced no evidence for ^{16}Be . $^{12}\text{C}(^{24}\text{F}, X)$, $(^{25}\text{F}, X)$, $(^{26}\text{F}, X)^{20}\text{O} / ^{21}\text{O} / ^{22}\text{O} / ^{23}\text{O} / ^{24}\text{O}$, $E \approx 50\text{MeV}$ / nucleon; measured yields; deduced no evidence for ^{25}O . JOUR APHPF 21 379
- 2005C024 NUCLEAR REACTIONS $\text{C}(^{23}\text{O}, ^{22}\text{OX})$, $E=938\text{MeV}$ / nucleon; measured longitudinal momentum distributions, one-neutron removal σ . ^{23}O deduced ground-state J , π , configuration. JOUR ZAANE 25 s01 343
- ^{23}F 2005MI32 NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35\text{MeV}$ / nucleon; $^4\text{He}(^{23}\text{F}, ^{23}\text{F}')$, $E=41.5\text{MeV}$ / nucleon; $^4\text{He}(^{24}\text{F}, ^{23}\text{F})$, $E=36\text{MeV}$ / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin; deduced $\sigma(E)$. ^{23}F deduced levels, J , π . DWBA analysis. JOUR ZAANE 25 s01 367
- 2005MIZT NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $(^{23}\text{F}, ^{23}\text{F}')$, $(^{24}\text{F}, ^{23}\text{F})$, $(^{25}\text{Ne}, ^{23}\text{F})$, $E \approx 35\text{--}43\text{MeV}$ / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin. $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35\text{MeV}$ / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J , π , configurations. REPT CNS-REP-67, Michimasa
- 2005SH46 NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35\text{MeV}$ / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, $\sigma(\theta)$. ^{23}F deduced levels, J , π . JOUR JPGPE 31 S1759
- ^{23}Na 2005BB06 NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{C}, X)$, $E=5.3\text{--}7\text{MeV}$; measured $E\gamma$, $I\gamma$, thick-target yields. $^{12}\text{C}(^{12}\text{C}, p)$, $(^{12}\text{C}, \alpha)$, $E=5.3\text{--}7\text{MeV}$; deduced σ . Astrophysical implications discussed. JOUR ZAANE 25 s01 645
- 2005KE08 NUCLEAR REACTIONS $^{150}\text{Nd}(^{26}\text{Ne}, X)^{22}\text{Ne} / ^{23}\text{Na} / ^{28}\text{Mg}$, $E=160\text{MeV}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{22}Ne , ^{23}Na , ^{28}Mg deduced levels, J , π . Euroball IV array, fragment separator. JOUR JPGPE 31 S1903
- 2005KE11 NUCLEAR REACTIONS $^{150}\text{Nd}(^{26}\text{Mg}, X)$, $E=160\text{MeV}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{22}Ne , ^{23}Na deduced levels, J , π . Euroball IV array, binary reaction spectrometer. JOUR ZAANE 25 s01 431
- ^{23}Al 2005G034 NUCLEAR REACTIONS $^{208}\text{Pb}(^{23}\text{Al}, p^{22}\text{Mg})$, $E=50\text{MeV}$ / nucleon; measured relative energy spectrum, $\sigma(\theta)$. ^{23}Al deduced excited state radiative width. Astrophysical implications discussed. JOUR JPGPE 31 S1517

A=24

- ²⁴O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- ²⁴Mg 2005IL03 NUCLEAR REACTIONS ²³Na(p, γ), (p, α), E=130-155 keV; measured Eγ, Iγ; deduced resonance strength upper limits, astrophysical reaction rates. JOUR JPGPE 31 S1785

A=25

- ²⁵O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- ²⁵Ne 2005BE60 NUCLEAR REACTIONS ⁹Be, C(³⁶S, X)²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=77.5 MeV / nucleon; measured Eγ, Iγ, γγ-coin. ^{26,28}Ne deduced levels, J, π. ^{27,29}Ne deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
- 2005CA44 NUCLEAR REACTIONS ²H(²⁴Ne, p), E=10 MeV / nucleon; measured Ep, Eγ, pγ-coin, σ(θ). ²⁵Ne deduced levels, J, π. JOUR JPGPE 31 S1655
- 2005CA50 NUCLEAR REACTIONS ²H(²⁴Ne, p), E=10 MeV / nucleon; measured Ep, Eγ, pγ-coin, σ(θ). ²⁵Ne deduced levels, J, π. JOUR ZAANE 25 s01 245

A=26

- ²⁶O 2005SC20 NUCLEAR REACTIONS C(²⁷F, X), (²⁹Ne, X), E ≈ 90 MeV / nucleon; measured fragment yields, production σ upper limits; deduced no evidence for ²⁶O, ²⁸F. JOUR PRVCA 72 037601
- ²⁶Ne 2005BE60 NUCLEAR REACTIONS ⁹Be, C(³⁶S, X)²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=77.5 MeV / nucleon; measured Eγ, Iγ, γγ-coin. ^{26,28}Ne deduced levels, J, π. ^{27,29}Ne deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
- 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- ²⁶Na 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005WI20 RADIOACTIVITY ²⁶Na(β⁻); ¹⁵²Eu(β⁻), (EC); measured Eγ, Iγ, γγ-, βγ-coin. ¹⁵²Sm level deduced T_{1/2}. JOUR JPGPE 31 S1979

A=26 (continued)

	2005ZEZZ	NUCLEAR REACTIONS $^{26}\text{Mg}(^3\text{He}, t)$, $E=140$ MeV / nucleon; $^{26}\text{Mg}(t, ^3\text{He})$, $E=115$ MeV / nucleon; measured excitation energy spectra, $\sigma(\theta)$; deduced Gamow-Teller strengths. PREPRINT nucl-ex/0512025,12/20/2005
^{26}Mg	2005BE61	NUCLEAR REACTIONS $^{26}\text{Mg}(^{76}\text{Kr}, ^{76}\text{Kr}')$, $E=230$ MeV; measured $E\gamma$, $I\gamma(\theta, H, t)$, (particle) γ -coin following projectile Coulomb excitation. ^{76}Kr level deduced g factor. Transient field technique. JOUR ZAANE 25 s01 203
	2005CH66	NUCLEAR REACTIONS $^{209}\text{Bi}(^{26}\text{Mg}, ^{26}\text{Mg}')$, $E=78.6$ MeV / nucleon; $^{197}\text{Au}(^{32}\text{Mg}, ^{32}\text{Mg}')$, $E=81.1$ MeV / nucleon; $^{209}\text{Bi}(^{34}\text{Mg}, ^{34}\text{Mg}')$, $E=76.4$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{26,32,34}\text{Mg}$ deduced transitions B(E2), deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320
	2005WI20	RADIOACTIVITY $^{26}\text{Na}(\beta^-)$; $^{152}\text{Eu}(\beta^-)$, (EC); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{152}Sm level deduced $T_{1/2}$. JOUR JPGPE 31 S1979
^{26}Al	2005HE24	NUCLEAR REACTIONS $^{14}\text{N}(^{16}\text{O}, \alpha)$, $E(\text{cm})=6.6, 7.9, 9.5$ MeV; measured σ . Accelerator mass spectrometry. JOUR NIMBE 240 612
	2005ZEZZ	NUCLEAR REACTIONS $^{26}\text{Mg}(^3\text{He}, t)$, $E=140$ MeV / nucleon; $^{26}\text{Mg}(t, ^3\text{He})$, $E=115$ MeV / nucleon; measured excitation energy spectra, $\sigma(\theta)$; deduced Gamow-Teller strengths. PREPRINT nucl-ex/0512025,12/20/2005

A=27

^{27}Ne	2005BE60	NUCLEAR REACTIONS $^9\text{Be}, \text{C}(^{36}\text{S}, \text{X})^{25}\text{Ne} / ^{26}\text{Ne} / ^{27}\text{Ne} / ^{28}\text{Ne}$, $E=77.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{26,28}\text{Ne}$ deduced levels, J, π . $^{27,29}\text{Ne}$ deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
^{27}Na	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
^{27}Mg	2005SCZV	NUCLEAR REACTIONS $^9\text{Be}(^{26}\text{Mg}, ^{27}\text{Mg})$, $E=57$ MeV; measured $E\gamma$, $I\gamma$, $\alpha\alpha$ -coin, $\sigma(\theta)$. ^{27}Mg deduced transitions. REPT MLL 2004 Annual,P4,Schwerdtfeger

A=28

^{28}F	2005SC20	NUCLEAR REACTIONS $\text{C}(^{27}\text{F}, \text{X})$, $(^{29}\text{Ne}, \text{X})$, $E \approx 90$ MeV / nucleon; measured fragment yields, production σ upper limits; deduced no evidence for ^{26}O , ^{28}F . JOUR PRVCA 72 037601
^{28}Ne	2005BE60	NUCLEAR REACTIONS $^9\text{Be}, \text{C}(^{36}\text{S}, \text{X})^{25}\text{Ne} / ^{26}\text{Ne} / ^{27}\text{Ne} / ^{28}\text{Ne}$, $E=77.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{26,28}\text{Ne}$ deduced levels, J, π . $^{27,29}\text{Ne}$ deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316

A=28 (continued)

^{28}Na	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
^{28}Mg	2005KE08	NUCLEAR REACTIONS $^{150}\text{Nd}(^{26}\text{Ne}, \text{X})^{22}\text{Ne}$ / ^{23}Na / ^{28}Mg , E=160 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{22}Ne , ^{23}Na , ^{28}Mg deduced levels, J, π . Euroball IV array, fragment separator. JOUR JPGPE 31 S1903
^{28}Si	2004MB08	NUCLEAR REACTIONS $^{28}\text{Si}(^{16}\text{O}, ^{16}\text{O}')$, E=40-46, 71, 73, 75 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin, $\sigma(\theta)$. Gammasphere, Chico arrays. JOUR BJPHE 34 885

A=29

^{29}Ne	2005BE60	NUCLEAR REACTIONS ^9Be , $\text{C}(^{36}\text{S}, \text{X})^{25}\text{Ne}$ / ^{26}Ne / ^{27}Ne / ^{28}Ne , E=77.5 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{26,28}\text{Ne}$ deduced levels, J, π . $^{27,29}\text{Ne}$ deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
	2005TR13	RADIOACTIVITY $^{29}\text{Ne}(\beta^-)$ [from $\text{Be}(^{48}\text{Ca}, \text{X})$]; measured $E\gamma$, $E\beta$, $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{29}Na deduced levels, β -feeding intensities. Comparison with shell model calculations. JOUR ZAANE 25 s01 101
^{29}Na	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
	2005TR13	RADIOACTIVITY $^{29}\text{Ne}(\beta^-)$ [from $\text{Be}(^{48}\text{Ca}, \text{X})$]; measured $E\gamma$, $E\beta$, $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{29}Na deduced levels, β -feeding intensities. Comparison with shell model calculations. JOUR ZAANE 25 s01 101
^{29}Mg	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005

A=30

^{30}Na	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
	2005MA96	RADIOACTIVITY $^{30,31,32}\text{Na}(\beta^-)$; $^{31,32}\text{Na}(\beta^-n)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
^{30}Mg	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
	2005MA96	RADIOACTIVITY $^{30,31,32}\text{Na}(\beta^-)$; $^{31,32}\text{Na}(\beta^-n)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105

A=30 (continued)

- 2005SC27 NUCLEAR REACTIONS Ni(^{30}Mg , $^{30}\text{Mg}'$), E=2.2 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^2H measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ^{30}Mg deduced transitions B(E2). ^{31}Mg deduced transitions. Miniball array. JOUR ZAANE 25 s01 397
- ^{30}P 2005AD35 NUCLEAR REACTIONS ^6Li (^6Li , αX), (^7Li , αX), E=14-20 MeV; measured α -spectra. ^{12}C (n, α), E=72.8 MeV; ^{28}Si (^6Li , α), E=36 MeV; analyzed α -spectra. Statistical model calculations. Target-projectile symmetry discussed. JOUR ZAANE 25 s01 299
- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. $^{58}\text{Zn}(\beta^+)$ [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni, $^{54}\text{Fe}(^{32}\text{S}$, X)]; measured E γ , I γ , E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=31

- ^{31}Na 2005MA96 RADIOACTIVITY $^{30,31,32}\text{Na}(\beta^-)$; $^{31,32}\text{Na}(\beta^-n)$; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- ^{31}Mg 2005GAZT ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005K041 RADIOACTIVITY $^{31}\text{Mg}(\beta^-)$ [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π , μ . JOUR ZAANE 25 s01 193
- 2005MA86 RADIOACTIVITY $^{31}\text{Mg}(\beta^-)$ [from Be(^{36}S , X)]; measured E γ , I γ , $\beta\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{31}Al deduced levels, feeding intensities. ^{31}Mg deduced ground-state intruder configuration. JOUR PRVCA 72 044314
- 2005MA96 RADIOACTIVITY $^{30,31,32}\text{Na}(\beta^-)$; $^{31,32}\text{Na}(\beta^-n)$; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- 2005SC27 NUCLEAR REACTIONS Ni(^{30}Mg , $^{30}\text{Mg}'$), E=2.2 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^2H measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ^{30}Mg deduced transitions B(E2). ^{31}Mg deduced transitions. Miniball array. JOUR ZAANE 25 s01 397
- ^{31}Al 2005K041 RADIOACTIVITY $^{31}\text{Mg}(\beta^-)$ [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π , μ . JOUR ZAANE 25 s01 193
- 2005MA86 RADIOACTIVITY $^{31}\text{Mg}(\beta^-)$ [from Be(^{36}S , X)]; measured E γ , I γ , $\beta\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{31}Al deduced levels, feeding intensities. ^{31}Mg deduced ground-state intruder configuration. JOUR PRVCA 72 044314

A=31 (continued)

- ³¹P 2005JE07 NUCLEAR REACTIONS ¹²C(²⁰Ne, p), (²⁰Ne, n), E=32 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ³¹S, ³¹P deduced high-spin levels, J, π . Gammasphere array, fragment mass analyzer. JOUR PRVCA 72 031303
- ³¹S 2005GA54 NUCLEAR REACTIONS ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³²Ar, ³¹ArX), (³⁴Ar, ³³ArX), E $\approx$ 65 MeV / nucleon; measured E γ , I γ , (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ³¹S, ³²Cl, ^{31,33}Ar levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251
- 2005JE07 NUCLEAR REACTIONS ¹²C(²⁰Ne, p), (²⁰Ne, n), E=32 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ³¹S, ³¹P deduced high-spin levels, J, π . Gammasphere array, fragment mass analyzer. JOUR PRVCA 72 031303
- ³¹Cl 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ³¹Ar 2005GA54 NUCLEAR REACTIONS ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³²Ar, ³¹ArX), (³⁴Ar, ³³ArX), E $\approx$ 65 MeV / nucleon; measured E γ , I γ , (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ³¹S, ³²Cl, ^{31,33}Ar levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251

A=32

- ³²Na 2005MA81 RADIOACTIVITY ³²Na, ⁸⁰Ga(β^-); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ³²Mg, ⁸⁰Ge levels deduced T_{1/2}. Ultra-fast timing techniques. JOUR JPGPE 31 S1421
- 2005MA96 RADIOACTIVITY ^{30,31,32}Na(β^-); ^{31,32}Na(β^- n); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{30,31,32}Mg deduced levels T_{1/2}. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- ³²Mg 2004C029 RADIOACTIVITY ⁷⁴Kr(EC), (β^+) [from Nb(p, X)]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. ³³Na(β^-), (β^- n) [from U(p, X)]; measured $\beta\gamma$ -, n β -, $\gamma\gamma$ -coin, T_{1/2}. ³³Mg deduced ground-state J, π . Total absorption spectrometer. JOUR BJPHE 34 850
- 2005CH66 NUCLEAR REACTIONS ²⁰⁹Bi(²⁶Mg, ²⁶Mg'), E=78.6 MeV / nucleon; ¹⁹⁷Au(³²Mg, ³²Mg'), E=81.1 MeV / nucleon; ²⁰⁹Bi(³⁴Mg, ³⁴Mg'), E=76.4 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{26,32,34}Mg deduced transitions B(E2), deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320

A=32 (continued)

	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
	2005MA81	RADIOACTIVITY ^{32}Na , $^{80}\text{Ga}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{32}Mg , ^{80}Ge levels deduced $T_{1/2}$. Ultra-fast timing techniques. JOUR JPGPE 31 S1421
	2005MA96	RADIOACTIVITY $^{30,31,32}\text{Na}(\beta^-)$; $^{31,32}\text{Na}(\beta^-n)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
^{32}S	2005G036	ATOMIC MASSES ^{12}C , ^{16}O , ^{20}Ne , ^{32}S , $^{36,40}\text{Ar}$; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
^{32}Cl	2005GA54	NUCLEAR REACTIONS $^9\text{Be}(^{32}\text{S}, ^{31}\text{SX})$, $(^{33}\text{Cl}, ^{32}\text{ClX})$, $(^{32}\text{Ar}, ^{31}\text{ArX})$, $(^{34}\text{Ar}, ^{33}\text{ArX})$, $E \approx 65$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ^{31}S , ^{32}Cl , $^{31,33}\text{Ar}$ levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251

A=33

^{33}Na	2004C029	RADIOACTIVITY $^{74}\text{Kr}(\text{EC})$, (β^+) [from $\text{Nb}(\text{p}, \text{X})$]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. $^{33}\text{Na}(\beta^-)$, (β^-n) [from $\text{U}(\text{p}, \text{X})$]; measured $\beta\gamma$ -, $n\beta$ -, $\gamma\gamma$ -coin, $T_{1/2}$. ^{33}Mg deduced ground-state J , π . Total absorption spectrometer. JOUR BJPHE 34 850
^{33}Mg	2004C029	RADIOACTIVITY $^{74}\text{Kr}(\text{EC})$, (β^+) [from $\text{Nb}(\text{p}, \text{X})$]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. $^{33}\text{Na}(\beta^-)$, (β^-n) [from $\text{U}(\text{p}, \text{X})$]; measured $\beta\gamma$ -, $n\beta$ -, $\gamma\gamma$ -coin, $T_{1/2}$. ^{33}Mg deduced ground-state J , π . Total absorption spectrometer. JOUR BJPHE 34 850
	2005GAZT	ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
^{33}Ar	2005GA54	NUCLEAR REACTIONS $^9\text{Be}(^{32}\text{S}, ^{31}\text{SX})$, $(^{33}\text{Cl}, ^{32}\text{ClX})$, $(^{32}\text{Ar}, ^{31}\text{ArX})$, $(^{34}\text{Ar}, ^{33}\text{ArX})$, $E \approx 65$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ^{31}S , ^{32}Cl , $^{31,33}\text{Ar}$ levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251

A=34

^{34}Mg	2005CH66	NUCLEAR REACTIONS $^{209}\text{Bi}(^{26}\text{Mg}, ^{26}\text{Mg}')$, $E=78.6$ MeV / nucleon; $^{197}\text{Au}(^{32}\text{Mg}, ^{32}\text{Mg}')$, $E=81.1$ MeV / nucleon; $^{209}\text{Bi}(^{34}\text{Mg}, ^{34}\text{Mg}')$, $E=76.4$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{26,32,34}\text{Mg}$ deduced transitions $B(E2)$, deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320
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A=34 (continued)

³⁴ Al	20050B04	NUCLEAR REACTIONS ²⁵¹ Cf(n, F), E=thermal; measured light charged particle yields, energy distributions following ternary fission; deduced evidence for ³⁴ Al, ³⁶ Si. JOUR NUPAB 761 173
³⁴ Si	2005TI11	RADIOACTIVITY ³⁵ Al(β^-), (β^- n) [from ³⁶ S fragmentation]; measured β -delayed E γ , En, T _{1/2} , neutron emission probability; deduced log ft. ^{34,35} Si deduced levels, J, π , feeding intensities. JOUR JPGPE 31 S1965
³⁴ P	20050L04	NUCLEAR REACTIONS ¹⁷⁶ Yb(³⁶ S, X) ³⁴ P, E=230 MeV; ²⁰⁸ Pb(³⁶ S, X) ³⁶ S / ³⁸ S / ³⁴ P / ³⁶ P, E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ³⁴ P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935

A=35

³⁵ Al	2005TI11	RADIOACTIVITY ³⁵ Al(β^-), (β^- n) [from ³⁶ S fragmentation]; measured β -delayed E γ , En, T _{1/2} , neutron emission probability; deduced log ft. ^{34,35} Si deduced levels, J, π , feeding intensities. JOUR JPGPE 31 S1965
³⁵ Si	2005TI11	RADIOACTIVITY ³⁵ Al(β^-), (β^- n) [from ³⁶ S fragmentation]; measured β -delayed E γ , En, T _{1/2} , neutron emission probability; deduced log ft. ^{34,35} Si deduced levels, J, π , feeding intensities. JOUR JPGPE 31 S1965
³⁵ Cl	2005EK01	NUCLEAR REACTIONS ¹⁶ O(²⁴ Mg, n α), (²⁴ Mg, p α), E=60 MeV; ²⁸ Si(³² S, n2 α), (³² S, p2 α), E=130 MeV; ²⁴ Mg(⁴⁰ Ca, 2np), (⁴⁰ Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ³⁵ Ar, ³⁵ Cl, ⁵¹ Fe, ⁵¹ Mn, ⁶¹ Ga, ⁶¹ Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
³⁵ Ar	2005EK01	NUCLEAR REACTIONS ¹⁶ O(²⁴ Mg, n α), (²⁴ Mg, p α), E=60 MeV; ²⁸ Si(³² S, n2 α), (³² S, p2 α), E=130 MeV; ²⁴ Mg(⁴⁰ Ca, 2np), (⁴⁰ Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ³⁵ Ar, ³⁵ Cl, ⁵¹ Fe, ⁵¹ Mn, ⁶¹ Ga, ⁶¹ Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363

A=36

³⁶ Si	20050B04	NUCLEAR REACTIONS ²⁵¹ Cf(n, F), E=thermal; measured light charged particle yields, energy distributions following ternary fission; deduced evidence for ³⁴ Al, ³⁶ Si. JOUR NUPAB 761 173
³⁶ P	20050L04	NUCLEAR REACTIONS ¹⁷⁶ Yb(³⁶ S, X) ³⁴ P, E=230 MeV; ²⁰⁸ Pb(³⁶ S, X) ³⁶ S / ³⁸ S / ³⁴ P / ³⁶ P, E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ³⁴ P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935

A=36 (continued)

^{36}S	20050L04	NUCLEAR REACTIONS $^{176}\text{Yb}(^{36}\text{S}, \text{X})^{34}\text{P}$, E=230 MeV; $^{208}\text{Pb}(^{36}\text{S}, \text{X})^{36}\text{S} / ^{38}\text{S} / ^{34}\text{P} / ^{36}\text{P}$, E=215 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{34}P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935
^{36}Ar	2005G036	ATOMIC MASSES ^{12}C , ^{16}O , ^{20}Ne , ^{32}S , $^{36,40}\text{Ar}$; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
	2005SPZY	NUCLEAR REACTIONS $^{12}\text{C}(^{32}\text{S}, ^{36}\text{Ar})$, E=65 MeV; $^{12}\text{C}(^{34}\text{S}, ^{38}\text{Ar})$, E=67 MeV; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\alpha\gamma$ -coin. $^{36,38}\text{Ar}$ levels deduced g factors. Transient field technique. Comparison with shell model predictions. REPT MLL 2004 Annual,P5,Speidel

A=37

No references found

A=38

^{38}S	20050L04	NUCLEAR REACTIONS $^{176}\text{Yb}(^{36}\text{S}, \text{X})^{34}\text{P}$, E=230 MeV; $^{208}\text{Pb}(^{36}\text{S}, \text{X})^{36}\text{S} / ^{38}\text{S} / ^{34}\text{P} / ^{36}\text{P}$, E=215 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{34}P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935
^{38}Ar	2005SPZY	NUCLEAR REACTIONS $^{12}\text{C}(^{32}\text{S}, ^{36}\text{Ar})$, E=65 MeV; $^{12}\text{C}(^{34}\text{S}, ^{38}\text{Ar})$, E=67 MeV; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\alpha\gamma$ -coin. $^{36,38}\text{Ar}$ levels deduced g factors. Transient field technique. Comparison with shell model predictions. REPT MLL 2004 Annual,P5,Speidel

A=39

No references found

A=40

^{40}Ar	2005G036	ATOMIC MASSES ^{12}C , ^{16}O , ^{20}Ne , ^{32}S , $^{36,40}\text{Ar}$; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
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A=41

^{41}K	2005GUZX	NUCLEAR REACTIONS $^{44}\text{Ca}(\text{polarized p}, \alpha)$, E=24.6 MeV; measured $\sigma(\theta)$, $\text{Ay}(\theta)$. DWBA analysis. REPT MLL 2004 Annual,P6,Guazzoni
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A=42

- ⁴²Ca 2005C025 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁰Ca, ⁴²Ca), E=225 MeV; measured $\sigma(E, \theta)$. ⁴²Ca deduced excited states configurations. ²⁰⁸Pb(⁹⁰Zr, X), E=560 MeV; measured E γ , I γ , (fragment) γ -coin, isotopic yields for projectile-like fragments. ⁹⁰Zr deduced transitions. JOUR ZAANE 25 s01 427
- 2005GUZW NUCLEAR REACTIONS ⁴⁵Sc(polarized p, α), E=24.6 MeV; measured $\sigma(\theta)$, Ay(θ). ⁴²Ca levels deduced configurations. REPT MLL 2004 Annual,P7,Guazzoni

A=43

- ⁴³Cr 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005D020 RADIOACTIVITY ⁴⁵Fe(2p) [from Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}, branching ratio. ⁴⁸Ni; measured decay energy, T_{1/2}; deduced probable two-proton decay. Comparisons with model predictions. JOUR PRVCA 72 054315
- 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=44

- ⁴⁴S 2005GR30 RADIOACTIVITY ⁴⁴S(IT) [from Be(⁴⁸Ca, X)]; measured E(ce), T_{1/2}. ⁴⁴S deduced levels, J, π . Comparison with shell model calculations. JOUR ZAANE 25 s01 111
- ⁴⁴Mn 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=45

- ⁴⁵Ar 2005GA45 NUCLEAR REACTIONS ²H(⁴⁴Ar, ⁴⁵Ar), (⁴⁰Ar, ⁴¹Ar), E=10 MeV / nucleon; measured particle spectra, $\sigma(E, \theta)$. ⁴⁵Ar deduced levels, spectroscopic factors. JOUR JPGPE 31 S1623
- ⁴⁵Fe 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005D020 NUCLEAR REACTIONS Ni(⁵⁸Ni, X), E=74.5 MeV / nucleon; measured fragments isotopic yields; deduced evidence for ⁴⁸Ni, ⁴⁵Fe. JOUR PRVCA 72 054315
- 2005D020 RADIOACTIVITY ⁴⁵Fe(2p) [from Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}, branching ratio. ⁴⁸Ni; measured decay energy, T_{1/2}; deduced probable two-proton decay. Comparisons with model predictions. JOUR PRVCA 72 054315
- 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=46

- ⁴⁶Cr 2005YA26 NUCLEAR REACTIONS Pb(⁴⁶Cr, ⁴⁶Cr'), (⁵⁰Fe, ⁵⁰Fe'), (⁵⁴Ni, ⁵⁴Ni'), E=41-44 MeV / nucleon; measured $\sigma(\theta)$, E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁴⁶Cr, ⁵⁰Fe, ⁵⁴Ni deduced excitation B(E2). DWBA analysis. JOUR ZAANE 25 s01 409
- ⁴⁶Fe 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169

A=47

No references found

A=48

- ⁴⁸Ti 2005VA31 NUCLEAR REACTIONS ⁴⁸Ti(¹³²Sn, ¹³²Sn'), E=470-495 MeV; ⁹⁰Zr(¹³⁴Sn, ¹³⁴Sn'), E=400 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{132,134}Sn deduced transitions B(E2). JOUR ZAANE 25 s01 391
- ⁴⁸Ni 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005D020 NUCLEAR REACTIONS Ni(⁵⁸Ni, X), E=74.5 MeV / nucleon; measured fragments isotopic yields; deduced evidence for ⁴⁸Ni, ⁴⁵Fe. JOUR PRVCA 72 054315
- 2005D020 RADIOACTIVITY ⁴⁵Fe(2p) [from Ni(⁵⁸Ni, X)]; measured E_p, T_{1/2}, branching ratio. ⁴⁸Ni; measured decay energy, T_{1/2}; deduced probable two-proton decay. Comparisons with model predictions. JOUR PRVCA 72 054315
- 2005GI15 NUCLEAR REACTIONS Ni(⁵⁸Ni, X), E=75 MeV / nucleon; measured fragments isotopic yields; deduced evidence for ⁴⁸Ni. JOUR JPGPE 31 S1509

A=49

- ⁴⁹Ca 2005MAZM NUCLEAR REACTIONS ²H(⁴⁸Ca, ⁴⁹Ca), E=105 MeV; measured E γ , I γ , (particle) γ -coin. ⁴⁸Ca(polarized d, p), E=14 MeV; measured proton spectra, $\sigma(\theta)$. ⁴⁹Ca deduced levels, J, π . REPT MLL 2004 Annual,P8,Maierbeck
- ⁴⁹Ti 2005ID03 NUCLEAR REACTIONS ⁹Be(⁴⁶Ar, 3n), (⁴⁶Ar, 4n), (⁴⁶Ar, 5n), (⁴⁶Ar, 6n), E $\approx$ 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51}Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429

A=50

⁵⁰ Ti	2005ID03	NUCLEAR REACTIONS ⁹ Be(⁴⁶ Ar, 3n), (⁴⁶ Ar, 4n), (⁴⁶ Ar, 5n), (⁴⁶ Ar, 6n), E ≈ 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51} Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429
	2005YU07	NUCLEAR REACTIONS ⁵⁰ Ti(¹²⁹ Sb, ¹²⁹ Sb'), (¹²⁹ Te, ¹²⁹ Te'), E=400 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ¹²⁹ Te, ¹²⁹ Sb deduced transitions B(E2). Clarion, Hyball arrays. JOUR ZAANE 25 s01 395
⁵⁰ V	2005SUZU	NUCLEAR REACTIONS ⁵¹ V(³ He, ³ He'), (³ He, α), E=30 MeV; measured E γ , I γ , (particle) γ -coin. ^{50,51} V deduced level densities, radiative strength functions, microcanonical entropies. PREPRINT nucl-ex/0511054,11/30/2005
⁵⁰ Mn	2005FU16	NUCLEAR REACTIONS ⁵⁰ Cr(³ He, t), E=140 MeV / nucleon; measured triton spectra; deduced Gamow-Teller transition strengths. ⁵⁰ Mn deduced level energies. ⁵⁰ Fe deduced β -decay intensities. Astrophysical implications discussed. JOUR PRLTA 95 212501
⁵⁰ Fe	2005FU16	NUCLEAR REACTIONS ⁵⁰ Cr(³ He, t), E=140 MeV / nucleon; measured triton spectra; deduced Gamow-Teller transition strengths. ⁵⁰ Mn deduced level energies. ⁵⁰ Fe deduced β -decay intensities. Astrophysical implications discussed. JOUR PRLTA 95 212501
	2005YA26	NUCLEAR REACTIONS Pb(⁴⁶ Cr, ⁴⁶ Cr'), (⁵⁰ Fe, ⁵⁰ Fe'), (⁵⁴ Ni, ⁵⁴ Ni'), E=41-44 MeV / nucleon; measured $\sigma(\theta)$, E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁴⁶ Cr, ⁵⁰ Fe, ⁵⁴ Ni deduced excitation B(E2). DWBA analysis. JOUR ZAANE 25 s01 409

A=51

⁵¹ Ti	2005ID03	NUCLEAR REACTIONS ⁹ Be(⁴⁶ Ar, 3n), (⁴⁶ Ar, 4n), (⁴⁶ Ar, 5n), (⁴⁶ Ar, 6n), E ≈ 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51} Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429
⁵¹ V	2005SUZU	NUCLEAR REACTIONS ⁵¹ V(³ He, ³ He'), (³ He, α), E=30 MeV; measured E γ , I γ , (particle) γ -coin. ^{50,51} V deduced level densities, radiative strength functions, microcanonical entropies. PREPRINT nucl-ex/0511054,11/30/2005
⁵¹ Mn	2005EK01	NUCLEAR REACTIONS ¹⁶ O(²⁴ Mg, n α), (²⁴ Mg, p α), E=60 MeV; ²⁸ Si(³² S, n2 α), (³² S, p2 α), E=130 MeV; ²⁴ Mg(⁴⁰ Ca, 2np), (⁴⁰ Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ³⁵ Ar, ³⁵ Cl, ⁵¹ Fe, ⁵¹ Mn, ⁶¹ Ga, ⁶¹ Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
	2005MA81	NUCLEAR REACTIONS ⁴⁰ Ca(¹⁴ N, n2p), E not given; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵¹ Mn levels deduced T _{1/2} . Ultra-fast timing techniques. JOUR JPGPE 31 S1421

A=51 (continued)

- ⁵¹Fe 2005EK01 NUCLEAR REACTIONS ¹⁶O(²⁴Mg, n α), (²⁴Mg, p α), E=60 MeV; ²⁸Si(³²S, n2 α), (³²S, p2 α), E=130 MeV; ²⁴Mg(⁴⁰Ca, 2np), (⁴⁰Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ³⁵Ar, ³⁵Cl, ⁵¹Fe, ⁵¹Mn, ⁶¹Ga, ⁶¹Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363

A=52

- ⁵²Ti 2005ID03 NUCLEAR REACTIONS ⁹Be(⁴⁶Ar, 3n), (⁴⁶Ar, 4n), (⁴⁶Ar, 5n), (⁴⁶Ar, 6n), E $\approx$ 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51}Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429
- ⁵²Ni 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=53

- ⁵³Ti 2005F014 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁸Ca, X), E=305 MeV; ²³⁸U(⁴⁸Ca, X), E=330 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵³Ti deduced levels, J, π . Gammasphere array, cross-coincidence with reaction partners. Comparison with model predictions. JOUR PRVCA 72 044315
- ⁵³Cu 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=54

- ⁵⁴Cr 2006B001 RADIOACTIVITY ⁵⁴Mn, ⁶⁵Zn(EC); measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
- ⁵⁴Mn 2005SI32 NUCLEAR REACTIONS Cu(n, X)⁵⁴Mn / ⁵⁹Fe / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co, E $\approx$ 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- 2006B001 RADIOACTIVITY ⁵⁴Mn, ⁶⁵Zn(EC); measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
- ⁵⁴Fe 2005TA27 NUCLEAR REACTIONS ⁹Be(⁵⁵Ni, X), (⁵⁵Co, X), E $\approx$ 170 MeV / nucleon; measured E γ , I γ , (fragment) γ -coin. ⁵⁴Ni, ⁵⁴Fe deduced transitions. JOUR JPGPE 31 S1527
- ⁵⁴Ni 2005TA27 NUCLEAR REACTIONS ⁹Be(⁵⁵Ni, X), (⁵⁵Co, X), E $\approx$ 170 MeV / nucleon; measured E γ , I γ , (fragment) γ -coin. ⁵⁴Ni, ⁵⁴Fe deduced transitions. JOUR JPGPE 31 S1527

A=54 (continued)

	2005YA26	NUCLEAR REACTIONS Pb(^{46}Cr , $^{46}\text{Cr}'$), (^{50}Fe , $^{50}\text{Fe}'$), (^{54}Ni , $^{54}\text{Ni}'$), E=41-44 MeV / nucleon; measured $\sigma(\theta)$, $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{46}Cr , ^{50}Fe , ^{54}Ni deduced excitation B(E2). DWBA analysis. JOUR ZAANE 25 s01 409
^{54}Zn	2005BL31	RADIOACTIVITY ^{45}Fe , ^{48}Ni , $^{54}\text{Zn}(2p)$ [from Ni(^{58}Ni , X)]; measured proton spectra, $T_{1/2}$. Comparison with theory. JOUR ZAANE 25 s01 169
	2005GI15	RADIOACTIVITY ^{45}Fe , $^{54}\text{Zn}(p)$, $(2p)$ [from Ni(^{58}Ni , X)]; measured proton spectra, $T_{1/2}$. JOUR JPGPE 31 S1509

A=55

^{55}Fe	2005MAZL	NUCLEAR REACTIONS ^{58}Ni (polarized p, d), E=24.6 MeV; measured $\sigma(\theta)$, $A_y(\theta)$. $^2\text{H}(^{54}\text{Fe}$, p), E=4.8 MeV / nucleon; measured $\sigma(\theta)$. Other reactions discussed. REPT MLL 2004 Annual,P9,Mahgoub
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A=56

^{56}Sc	2005MA93	RADIOACTIVITY $^{56}\text{Sc}(\beta^-)$ [from Be(^{78}Kr , X)]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. ^{56}Ti deduced levels. Mass-separated source. JOUR NIMBE 241 195
^{56}Ti	2005MA93	RADIOACTIVITY $^{56}\text{Sc}(\beta^-)$ [from Be(^{78}Kr , X)]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. ^{56}Ti deduced levels. Mass-separated source. JOUR NIMBE 241 195
^{56}Cr	2005GU27	ATOMIC MASSES $^{56,57}\text{Cr}$; measured masses. Penning trap mass spectrometer. JOUR JPGPE 31 S1765
^{56}Mn	2004AG09	NUCLEAR REACTIONS $^{103}\text{Rh}(n, n')^{103m}\text{Rh}$, E $\approx$ 4.8 MeV; $^{115}\text{In}(n, n')^{115m}\text{In}$, E $\approx$ 5 MeV; ^{232}Th , $^{238}\text{U}(n, f)$, E $\approx$ 5 MeV; ^{24}Mg , ^{27}Al , $^{46,47,48}\text{Ti}$, $^{54,56}\text{Fe}$, ^{58}Ni , $^{64}\text{Zn}(n, p)$, E $\approx$ 2-8 MeV; ^{27}Al , $^{59}\text{Co}(n, \alpha)$, E $\approx$ 8.3 MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63
	2005GU37	ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35
^{56}Co	2005SI32	NUCLEAR REACTIONS Cu(n, X) ^{54}Mn / ^{59}Fe / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co , E $\approx$ 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617

A=57

^{57}Ti	2005LI53	RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from Be(^{86}Kr , X)]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
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A=57 (continued)

⁵⁷ V	2005LI53	RADIOACTIVITY ⁵⁷ Ti, ⁵⁹ V, ⁵⁹ Cr(β^-) [from Be(⁸⁶ Kr, X)]; measured β -delayed E γ , I γ , $\gamma\gamma$ -coin, T _{1/2} ; deduced log ft. ⁵⁷ V, ⁵⁹ Cr, ⁵⁹ Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
⁵⁷ Cr	2005GU27	ATOMIC MASSES ^{56,57} Cr; measured masses. Penning trap mass spectrometer. JOUR JPGPE 31 S1765
⁵⁷ Mn	2005GU37	ATOMIC MASSES ^{56,57} Mn, ^{82m} Rb, ⁹² Sr, ^{124,127} Cs, ¹³⁰ Ba; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35
⁵⁷ Co	2005SI32	NUCLEAR REACTIONS Cu(n, X) ⁵⁴ Mn / ⁵⁹ Fe / ⁵⁶ Co / ⁵⁷ Co / ⁵⁸ Co / ⁶⁰ Co, E $\approx$ 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
⁵⁷ Ni	2005MAZL	NUCLEAR REACTIONS ⁵⁸ Ni(polarized p, d), E=24.6 MeV; measured $\sigma(\theta)$, Ay(θ). ² H(⁵⁴ Fe, p), E=4.8 MeV / nucleon; measured $\sigma(\theta)$. Other reactions discussed. REPT MLL 2004 Annual,P9,Mahgoub

A=58

⁵⁸ Cr	2005GA44	NUCLEAR REACTIONS ²⁰⁸ Pb(⁹⁰ Zr, X) ⁹⁰ Zr / ⁹² Zr / ⁸⁸ Sr, E=560 MeV; ²³⁸ U(⁶⁴ Ni, X) ⁵⁸ Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸ Cr, ^{90,92} Zr, ⁸⁸ Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443
	2005GA56	NUCLEAR REACTIONS ²³⁸ U(⁸² Se, X), E=505 MeV; ²³⁸ U(⁶⁴ Ni, X), E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (fragment) γ -coin, projectile-like fragments isotopic yields. ⁵⁸ Cr, ⁸⁰ As, ⁸² Ge, ⁸⁴ Se deduced levels, J, π . Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421
⁵⁸ Co	2005SI28	NUCLEAR REACTIONS ⁵¹ V(¹⁰ B, 2np), E=33, 36 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ⁵⁸ Co deduced levels, J, π , T _{1/2} , B(M1). Comparison with shell model predictions. JOUR JPGPE 31 S1577
	2005SI32	NUCLEAR REACTIONS Cu(n, X) ⁵⁴ Mn / ⁵⁹ Fe / ⁵⁶ Co / ⁵⁷ Co / ⁵⁸ Co / ⁶⁰ Co, E $\approx$ 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
	2005SI37	NUCLEAR REACTIONS ⁵¹ V(¹⁰ B, 2np), E=33 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ⁵⁸ Co deduced levels, J, π , configurations. Comparison with shell model predictions. JOUR BJPHE 35 821
⁵⁸ Ni	2005AL45	NUCLEAR REACTIONS ⁵⁸ Ni(¹⁶ O, ¹⁶ O), (¹⁶ O, ¹⁶ O'), (¹⁶ O, X), (¹⁸ O, ¹⁸ O), (¹⁸ O, ¹⁸ O'), (¹⁸ O, X), E=46 MeV; measured elastic, inelastic, and transfer $\sigma(\theta)$. Comparison with model predictions. JOUR BJPHE 35 909
	2005C022	NUCLEAR REACTIONS ⁵⁸ Ni(p, p' γ), (p, n γ), E=14 MeV; measured prompt and delayed E γ , I γ . ⁵⁸ Cu level deduced T _{1/2} , B(E2), collective features. Comparison with model predictions. JOUR PRVCA 72 054305
⁵⁸ Cu	2005C022	NUCLEAR REACTIONS ⁵⁸ Ni(p, p' γ), (p, n γ), E=14 MeV; measured prompt and delayed E γ , I γ . ⁵⁸ Cu level deduced T _{1/2} , B(E2), collective features. Comparison with model predictions. JOUR PRVCA 72 054305

A=58 (continued)

- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from $\text{S}(\text{p}, \text{X})$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(\text{p}, \text{X})$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ^{58}Zn 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from $\text{S}(\text{p}, \text{X})$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(\text{p}, \text{X})$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=59

- ^{59}V 2005LI53 RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from $\text{Be}(^{86}\text{Kr}, \text{X})$]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
- ^{59}Cr 2005FR29 NUCLEAR REACTIONS $^{13,14}\text{C}(^{48}\text{Ca}, 2\text{p})$, $E=130$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{59,60}\text{Cr}$ deduced levels, J , π . Gammasphere array, comparison with model predictions. JOUR JPGPE 31 S1465
- 2005LI53 RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from $\text{Be}(^{86}\text{Kr}, \text{X})$]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
- ^{59}Mn 2005LI53 RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from $\text{Be}(^{86}\text{Kr}, \text{X})$]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
- ^{59}Fe 2005SI32 NUCLEAR REACTIONS $\text{Cu}(\text{n}, \text{X})^{54}\text{Mn}$ / ^{59}Fe / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co , $E \approx 70.7, 110.8$ MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- ^{59}Co 2004S036 NUCLEAR REACTIONS $^{59}\text{Co}(^6\text{Li}, \text{X})$, ($^7\text{Li}, \text{X}$), $E=12\text{-}26$ MeV; measured fusion σ ; deduced breakup effects. $^{59}\text{Co}(^6\text{Li}, \alpha)$, $E=26$ MeV; measured $E\alpha$, Ed , α -coin. JOUR BJPHE 34 907
- 2005S014 NUCLEAR REACTIONS $^{12}\text{C}(^6\text{Li}, \alpha)$, $E=26$ MeV; $^{59}\text{Co}(^6\text{Li}, \alpha)$, $E=30$ MeV; measured particle spectra, $\sigma(\theta(\alpha), \theta(\text{d}))$, three-body final state correlations; deduced reaction mechanism features. JOUR BJPHE 35 888

A=59 (continued)

- ^{59}Ga 2005ST29 NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=60

- ^{60}Cr 2005FR29 NUCLEAR REACTIONS $^{13,14}\text{C}(^{48}\text{Ca}, 2\text{p})$, E=130 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{59,60}\text{Cr}$ deduced levels, J, π . Gammasphere array, comparison with model predictions. JOUR JPGPE 31 S1465
- ^{60}Co 2004GE20 RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(\text{n}, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005SI32 NUCLEAR REACTIONS $\text{Cu}(\text{n}, \text{X})^{54}\text{Mn} / ^{59}\text{Fe} / ^{56}\text{Co} / ^{57}\text{Co} / ^{58}\text{Co} / ^{60}\text{Co}$, E $\approx$ 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- ^{60}Ni 2004GE20 RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(\text{n}, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005WI23 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, \text{xnp}\alpha)^{104}\text{Rh} / ^{105}\text{Rh} / ^{107}\text{Pd} / ^{108}\text{Pd}$, E=43 MeV; $^{51}\text{V}(^{16}\text{O}, \text{xnp}\alpha)^{60}\text{Ni} / ^{61}\text{Ni} / ^{61}\text{Cu} / ^{62}\text{Cu}$, E=70 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ^{60}Ge 2005ST29 NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=61

⁶¹ Ni	2005WI23	NUCLEAR REACTIONS ¹⁰⁰ Mo(¹¹ B, xnypzα) ¹⁰⁴ Rh / ¹⁰⁵ Rh / ¹⁰⁷ Pd / ¹⁰⁸ Pd, E=43 MeV; ⁵¹ V(¹⁶ O, xnypzα) ⁶⁰ Ni / ⁶¹ Ni / ⁶¹ Cu / ⁶² Cu, E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin; deduced γ-ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
⁶¹ Cu	2005WI23	NUCLEAR REACTIONS ¹⁰⁰ Mo(¹¹ B, xnypzα) ¹⁰⁴ Rh / ¹⁰⁵ Rh / ¹⁰⁷ Pd / ¹⁰⁸ Pd, E=43 MeV; ⁵¹ V(¹⁶ O, xnypzα) ⁶⁰ Ni / ⁶¹ Ni / ⁶¹ Cu / ⁶² Cu, E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin; deduced γ-ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
⁶¹ Zn	2005EK01	NUCLEAR REACTIONS ¹⁶ O(²⁴ Mg, nα), (²⁴ Mg, pα), E=60 MeV; ²⁸ Si(³² S, n2α), (³² S, p2α), E=130 MeV; ²⁴ Mg(⁴⁰ Ca, 2np), (⁴⁰ Ca, n2p), E=104 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ³⁵ Ar, ³⁵ Cl, ⁵¹ Fe, ⁵¹ Mn, ⁶¹ Ga, ⁶¹ Zn deduced levels, J, π, mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
⁶¹ Ga	2005EK01	NUCLEAR REACTIONS ¹⁶ O(²⁴ Mg, nα), (²⁴ Mg, pα), E=60 MeV; ²⁸ Si(³² S, n2α), (³² S, p2α), E=130 MeV; ²⁴ Mg(⁴⁰ Ca, 2np), (⁴⁰ Ca, n2p), E=104 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ³⁵ Ar, ³⁵ Cl, ⁵¹ Fe, ⁵¹ Mn, ⁶¹ Ga, ⁶¹ Zn deduced levels, J, π, mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
⁶¹ Ge	2005ST29	NUCLEAR REACTIONS ⁹ Be(⁷⁸ Kr, X) ⁶⁰ Ge / ⁶¹ Ge / ⁶² Ge / ⁶³ Ge / ⁶⁴ Ge / ⁶⁴ Se / ⁶⁵ Se / ⁶⁶ Se / ⁶⁷ Se / ⁶⁸ Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹ Ga, ⁶³ As. ⁶⁰ Ge, ⁶⁴ Se deduced T _{1/2} lower limits. ⁵⁹ Ga, ⁶³ As deduced T _{1/2} upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS ⁹ Be(⁷⁸ Kr, X) ⁶⁰ Ge / ⁶¹ Ge / ⁶² Ge / ⁶³ Ge / ⁶⁴ Ge / ⁶⁴ Se / ⁶⁵ Se / ⁶⁶ Se / ⁶⁷ Se / ⁶⁸ Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹ Ga, ⁶³ As. JOUR ZAANE 25 s01 335

A=62

⁶² Ni	2005T014	NUCLEAR REACTIONS ⁶² Ni(ν, γ), E=5.5-90 keV; measured Eγ, capture σ; deduced Maxwellian-averaged σ. JOUR ASJOA 623 L153
⁶² Cu	2005ERZZ	ATOMIC MASSES ⁶² Ga, ⁶² Zn, ⁶² Cu; measured masses. ⁶² Ga deduced Q(EC) for superallowed β-decay. Penning trap. PREPRINT nucl-ex/0512010,12/12/2005
	2005PE23	NUCLEAR REACTIONS ¹⁹⁷ Au(⁶⁵ Cu, X) ⁶² Cu / ⁶³ Cu, E=443 MeV; measured yields. JOUR ZAANE 25 s01 749
	2005WI23	NUCLEAR REACTIONS ¹⁰⁰ Mo(¹¹ B, xnypzα) ¹⁰⁴ Rh / ¹⁰⁵ Rh / ¹⁰⁷ Pd / ¹⁰⁸ Pd, E=43 MeV; ⁵¹ V(¹⁶ O, xnypzα) ⁶⁰ Ni / ⁶¹ Ni / ⁶¹ Cu / ⁶² Cu, E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin; deduced γ-ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898

A=62 (continued)

^{62}Zn	2005ERZZ	ATOMIC MASSES ^{62}Ga , ^{62}Zn , ^{62}Cu ; measured masses. ^{62}Ga deduced Q(EC) for superallowed β -decay. Penning trap. PREPRINT nucl-ex/0512010,12/12/2005
	2005HY04	RADIOACTIVITY $^{62}\text{Ga}(\beta^+)$; measured $T_{1/2}$. Comparison with previous results. JOUR JPGPE 31 S1885
^{62}Ga	2005ERZZ	ATOMIC MASSES ^{62}Ga , ^{62}Zn , ^{62}Cu ; measured masses. ^{62}Ga deduced Q(EC) for superallowed β -decay. Penning trap. PREPRINT nucl-ex/0512010,12/12/2005
	2005HY04	RADIOACTIVITY $^{62}\text{Ga}(\beta^+)$; measured $T_{1/2}$. Comparison with previous results. JOUR JPGPE 31 S1885
^{62}Ge	2005ST29	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=63

^{63}Ni	2005GE09	NUCLEAR REACTIONS $^{62,64}\text{Ni}(\text{d}, \text{p})$, E not given; measured E_γ , $I_\gamma(\theta, \text{H}, \text{t})$. ^{65}Ni deduced isomeric state g factor. Time dependent perturbed angular correlation technique, comparison with model predictions. JOUR JPGPE 31 S1439
	2005PE23	RADIOACTIVITY $^{63}\text{Cu}(\text{EC})$ [from $^{197}\text{Au}(^{65}\text{Cu}, \text{X})$]; measured β -delayed E_γ , I_γ . JOUR ZAANE 25 s01 749
	2005SE23	NUCLEAR REACTIONS $^{197}\text{Au}(\text{n}, \gamma)$, E=spectrum; measured E_γ , I_γ ; deduced neutron flux. $^7\text{Li}(\text{p}, \text{n})$, E not given; deduced neutron spectrum. $^{62}\text{Ni}(\text{n}, \gamma)$, E $\approx$ 5.5-20 keV; measured σ ; deduced Maxwellian-averaged σ . JOUR JUPSA 74 2981
^{63}Cu	2005PE23	RADIOACTIVITY $^{63}\text{Cu}(\text{EC})$ [from $^{197}\text{Au}(^{65}\text{Cu}, \text{X})$]; measured β -delayed E_γ , I_γ . JOUR ZAANE 25 s01 749
	2005PE23	NUCLEAR REACTIONS $^{197}\text{Au}(^{65}\text{Cu}, \text{X})^{62}\text{Cu} / ^{63}\text{Cu}$, E=443 MeV; measured yields. JOUR ZAANE 25 s01 749
^{63}Ge	2005ST29	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=63 (continued)

- ⁶³As 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=64

- ⁶⁴Cu 2004AG09 NUCLEAR REACTIONS ¹⁰³Rh(n, n')^{103m}Rh, E $\approx$ 4.8 MeV; ¹¹⁵In(n, n')^{115m}In, E $\approx$ 5 MeV; ²³²Th, ²³⁸U(n, F), E $\approx$ 5 MeV; ²⁴Mg, ²⁷Al, ^{46,47,48}Ti, ^{54,56}Fe, ⁵⁸Ni, ⁶⁴Zn(n, p), E $\approx$ 2-8 MeV; ²⁷Al, ⁵⁹Co(n, α), E $\approx$ 8.3 MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63
- 2005P017 NUCLEAR REACTIONS ⁶⁴Ni(³He, t), E=140 MeV / nucleon; measured triton spectra, $\sigma(\theta)$. ⁶⁴Cu deduced levels, J, π , Gamow-Teller strength distribution. JOUR JPGPE 31 S1945
- 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, d α), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, α X), (⁷Li, t α), (⁷Li, d α), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, α X), E=25 MeV; measured particle spectra, σ , $\sigma(\theta)$; deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- 2005SZ04 NUCLEAR REACTIONS Zn, ⁶⁸Zn(p, X)⁶⁴Cu, E $\approx$ 18-100 MeV; ⁶⁶Zn(p, n2p), E $\approx$ 35-100 MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 240 625
- ⁶⁴Zn 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- 2005LE38 NUCLEAR REACTIONS C(⁶⁸Zn, ⁶⁸Zn'), E=180 MeV; measured E γ , I $\gamma(\theta, H, t)$ (particle) γ -coin following projectile Coulomb excitation. ⁶⁸Zn levels deduced g factors, T_{1/2}, B(E2), configurations. ⁶⁴Zn levels analyzed g factors, B(E2). Large-scale shell-model calculations. JOUR PRVCA 72 044301
- ⁶⁴Ga 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- ⁶⁴Ge 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective T_{1/2}. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32

A=64 (continued)

	2005ST34	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335
^{64}Se	2005ST29	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=65

^{65}Ni	2005GE09	NUCLEAR REACTIONS $^{62,64}\text{Ni}(\text{d}, \text{p})$, E not given; measured E_γ , $I_\gamma(\theta, \text{H}, \text{t})$. ^{65}Ni deduced isomeric state g factor. Time dependent perturbed angular correlation technique, comparison with model predictions. JOUR JPGPE 31 S1439
^{65}Cu	2005SHZS	NUCLEAR REACTIONS $^{65}\text{Cu}(^6\text{Li}, \text{d}\alpha)$, $(^6\text{Li}, ^7\text{Li})$, $(^6\text{Li}, ^3\text{He})$, $(^6\text{Li}, \alpha)$, $(^6\text{Li}, \alpha\text{X})$, $(^7\text{Li}, \text{t}\alpha)$, $(^7\text{Li}, \text{d}\alpha)$, $(^7\text{Li}, ^6\text{Li})$, $(^7\text{Li}, ^6\text{He})$, $(^7\text{Li}, \alpha)$, $(^7\text{Li}, \alpha\text{X})$, E=25 MeV; measured particle spectra, σ , $\sigma(\theta)$; deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
	2006B001	RADIOACTIVITY ^{54}Mn , $^{65}\text{Zn}(\text{EC})$; measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
^{65}Zn	2006B001	RADIOACTIVITY ^{54}Mn , $^{65}\text{Zn}(\text{EC})$; measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
^{65}Se	2005ST29	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=66

^{66}Cu	2005SHZS	NUCLEAR REACTIONS $^{65}\text{Cu}(^6\text{Li}, \text{d}\alpha)$, $(^6\text{Li}, ^7\text{Li})$, $(^6\text{Li}, ^3\text{He})$, $(^6\text{Li}, \alpha)$, $(^6\text{Li}, \alpha\text{X})$, $(^7\text{Li}, \text{t}\alpha)$, $(^7\text{Li}, \text{d}\alpha)$, $(^7\text{Li}, ^6\text{Li})$, $(^7\text{Li}, ^6\text{He})$, $(^7\text{Li}, \alpha)$, $(^7\text{Li}, \alpha\text{X})$, E=25 MeV; measured particle spectra, σ , $\sigma(\theta)$; deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
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A=66 (continued)

- ⁶⁶Zn 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, dα), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, αX), (⁷Li, tα), (⁷Li, dα), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, αX), E=25 MeV; measured particle spectra, σ, σ(θ); deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- ⁶⁶Se 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=67

- ⁶⁷Zn 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, dα), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, αX), (⁷Li, tα), (⁷Li, dα), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, αX), E=25 MeV; measured particle spectra, σ, σ(θ); deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- ⁶⁷Se 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=68

- ⁶⁸Zn 2005LE38 NUCLEAR REACTIONS C(⁶⁸Zn, ⁶⁸Zn'), E=180 MeV; measured Eγ, Iγ(θ, H, t) (particle)γ-coin following projectile Coulomb excitation. ⁶⁸Zn levels deduced g factors, T_{1/2}, B(E2), configurations. ⁶⁴Zn levels analyzed g factors, B(E2). Large-scale shell-model calculations. JOUR PRVCA 72 044301
- 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, dα), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, αX), (⁷Li, tα), (⁷Li, dα), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, αX), E=25 MeV; measured particle spectra, σ, σ(θ); deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- ⁶⁸Ge 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771

A=68 (continued)

⁶⁸ As	2005CH60	ATOMIC MASSES ⁶⁴ Zn, ⁶⁴ Ga, ⁶⁸ Ge, ⁶⁸ As, ^{68,72} Se, ⁷⁶ Kr, ⁷⁶ Rb, ⁸⁰ Sr, ⁸⁰ Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
⁶⁸ Se	2005CH60	ATOMIC MASSES ⁶⁴ Zn, ⁶⁴ Ga, ⁶⁸ Ge, ⁶⁸ As, ^{68,72} Se, ⁷⁶ Kr, ⁷⁶ Rb, ⁸⁰ Sr, ⁸⁰ Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
	2005CL08	ATOMIC MASSES ⁶⁴ Ge, ⁶⁸ Se; analyzed masses; deduced effective T _{1/2} . ^{90,91} Mo, ^{90,91,92,93} Tc, ^{93,94} Ru, ^{94,95} Rh, ^{104,105,106,107} In, ^{104,105,107,108} Sn, ^{107,108} Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
	2005ST29	NUCLEAR REACTIONS ⁹ Be(⁷⁸ Kr, X) ⁶⁰ Ge / ⁶¹ Ge / ⁶² Ge / ⁶³ Ge / ⁶⁴ Ge / ⁶⁴ Se / ⁶⁵ Se / ⁶⁶ Se / ⁶⁷ Se / ⁶⁸ Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹ Ga, ⁶³ As. ⁶⁰ Ge, ⁶⁴ Se deduced T _{1/2} lower limits. ⁵⁹ Ga, ⁶³ As deduced T _{1/2} upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS ⁹ Be(⁷⁸ Kr, X) ⁶⁰ Ge / ⁶¹ Ge / ⁶² Ge / ⁶³ Ge / ⁶⁴ Ge / ⁶⁴ Se / ⁶⁵ Se / ⁶⁶ Se / ⁶⁷ Se / ⁶⁸ Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹ Ga, ⁶³ As. JOUR ZAANE 25 s01 335

A=69

No references found

A=70

⁷⁰ Ni	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷⁰ Ga	2005WA29	NUCLEAR REACTIONS ⁷¹ Ga(n, 2n), E=13.5, 14.1, 14.7 MeV; measured σ . Activation technique, comparison with previous results. JOUR PRVCA 72 037604

A=71

⁷¹ Co	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷¹ Ni	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷¹ Ge	2004H025	NUCLEAR REACTIONS ^{70,73} Ge(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ^{71,74} Ge deduced transitions, two-quantum cascade intensities. JOUR BRSPE 68 1324

A=72

⁷² Co	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷² Ni	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷² Se	2005CH60	ATOMIC MASSES ⁶⁴ Zn, ⁶⁴ Ga, ⁶⁸ Ge, ⁶⁸ As, ^{68,72} Se, ⁷⁶ Kr, ⁷⁶ Rb, ⁸⁰ Sr, ⁸⁰ Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
⁷² Kr	2005R039	ATOMIC MASSES ^{72,73,74} Kr, ⁷³ Rb, ⁷⁴ Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41

A=73

⁷³ Co	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷³ Ni	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷³ Ge	2004VA37	RADIOACTIVITY ⁷³ Ge(β^-); measured T _{1/2} lower limit for charge-nonconserving β -decay. JOUR BRSPE 68 1255
⁷³ As	2004VA37	RADIOACTIVITY ⁷³ Ge(β^-); measured T _{1/2} lower limit for charge-nonconserving β -decay. JOUR BRSPE 68 1255
⁷³ Kr	2005R039	ATOMIC MASSES ^{72,73,74} Kr, ⁷³ Rb, ⁷⁴ Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41
⁷³ Rb	2005R039	ATOMIC MASSES ^{72,73,74} Kr, ⁷³ Rb, ⁷⁴ Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41

A=74

⁷⁴ Co	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷⁴ Ni	2005MA95	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74} Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
⁷⁴ Ge	2004H025	NUCLEAR REACTIONS ^{70,73} Ge(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ^{71,74} Ge deduced transitions, two-quantum cascade intensities. JOUR BRSPE 68 1324
⁷⁴ Br	2004C029	RADIOACTIVITY ⁷⁴ Kr(EC), (β^+) [from Nb(p, X)]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. ³³ Na(β^-), (β^- n) [from U(p, X)]; measured $\beta\gamma$ -, n β -, $\gamma\gamma$ -coin, T _{1/2} . ³³ Mg deduced ground-state J, π . Total absorption spectrometer. JOUR BJPHE 34 850

A=74 (continued)

⁷⁴ Kr	2004C029	RADIOACTIVITY ⁷⁴ Kr(EC), (β^+) [from Nb(p, X)]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. ³³ Na(β^-), (β^- n) [from U(p, X)]; measured $\beta\gamma$ -, n β -, $\gamma\gamma$ -coin, T _{1/2} . ³³ Mg deduced ground-state J, π . Total absorption spectrometer. JOUR BJPHE 34 850
	2005G043	NUCLEAR REACTIONS ⁴⁰ Ca(⁴⁰ Ca, 2p α), (⁴⁰ Ca, 4p), E=147 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{74,76} Kr levels deduced T _{1/2} , B(E2). GASP array, recoil-distance technique. JOUR ZAANE 26 153
	2005R039	ATOMIC MASSES ^{72,73,74} Kr, ⁷³ Rb, ⁷⁴ Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41
	2005VA30	NUCLEAR REACTIONS ⁴⁰ Ca(⁴⁰ Ca, 2p α), E=165, 185 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin, DSA. ⁷⁴ Kr deduced high-spin levels, J, π , T _{1/2} , transition quadrupole moments, configurations, nontermination of rotational bands. Euroball III, ISIS, Gammasphere, and Microball arrays. JOUR PRLTA 95 232501
⁷⁴ Sr	2005R039	ATOMIC MASSES ^{72,73,74} Kr, ⁷³ Rb, ⁷⁴ Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41

A=75

⁷⁵ As	2005RA29	RADIOACTIVITY ⁷⁵ Se(EC); measured E γ , I γ , E(ce), I(ce); deduced log ft. ⁷⁵ As deduced levels, J, π , ICC, B(E2), δ . Mini-orange spectrometer. JOUR ZAANE 26 41
⁷⁵ Se	2005RA29	RADIOACTIVITY ⁷⁵ Se(EC); measured E γ , I γ , E(ce), I(ce); deduced log ft. ⁷⁵ As deduced levels, J, π , ICC, B(E2), δ . Mini-orange spectrometer. JOUR ZAANE 26 41
⁷⁵ Br	2004SC48	NUCLEAR REACTIONS ⁷⁸ Kr(d, n), (d, p), (d, α), (d, n α), E $\approx$ 4-13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203

A=76

⁷⁶ Ge	2005IW03	NUCLEAR REACTIONS Pb(⁷⁶ Ge, ⁷⁶ Ge'), (⁷⁸ Ge, ⁷⁸ Ge'), (⁸⁰ Ge, ⁸⁰ Ge'), (⁸² Ge, ⁸² Ge'), E $\approx$ 40 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{76,78,80,82} Ge deduced transitions B(E2). JOUR ZAANE 25 s01 415
⁷⁶ Br	2004SC48	NUCLEAR REACTIONS ⁷⁸ Kr(d, n), (d, p), (d, α), (d, n α), E $\approx$ 4-13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203
⁷⁶ Kr	2005BE61	NUCLEAR REACTIONS ²⁶ Mg(⁷⁶ Kr, ⁷⁶ Kr'), E=230 MeV; measured E γ , I γ (θ , H, t), (particle) γ -coin following projectile Coulomb excitation. ⁷⁶ Kr level deduced g factor. Transient field technique. JOUR ZAANE 25 s01 203
	2005CH60	ATOMIC MASSES ⁶⁴ Zn, ⁶⁴ Ga, ⁶⁸ Ge, ⁶⁸ As, ^{68,72} Se, ⁷⁶ Kr, ⁷⁶ Rb, ⁸⁰ Sr, ⁸⁰ Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771

A=76 (continued)

	2005GI17	RADIOACTIVITY $^{76}\text{Rb}(\beta^+)$, (EC) [from Nb(p, X)]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{76}Kr deduced levels J, π , $T_{1/2}$, ICC. ^{76}Rb deduced ground state J, π . JOUR PRVCA 72 044308
	2005G043	NUCLEAR REACTIONS $^{40}\text{Ca}(^{40}\text{Ca}, 2p\alpha)$, ($^{40}\text{Ca}, 4p$), $E=147$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{74,76}\text{Kr}$ levels deduced $T_{1/2}$, B(E2). GASP array, recoil-distance technique. JOUR ZAANE 26 153
^{76}Rb	2005CH60	ATOMIC MASSES ^{64}Zn , ^{64}Ga , ^{68}Ge , ^{68}As , $^{68,72}\text{Se}$, ^{76}Kr , ^{76}Rb , ^{80}Sr , ^{80}Y ; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
	2005GI17	RADIOACTIVITY $^{76}\text{Rb}(\beta^+)$, (EC) [from Nb(p, X)]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{76}Kr deduced levels J, π , $T_{1/2}$, ICC. ^{76}Rb deduced ground state J, π . JOUR PRVCA 72 044308
^{76}Sr	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=77

^{77}Sr	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
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A=78

^{78}Ni	2005SC28	RADIOACTIVITY $^{78}\text{Ni}(\beta^-)$ [from ^{86}Kr fragmentation]; measured $T_{1/2}$. Comparison with model predictions, astrophysical implications discussed. JOUR ZAANE 25 s01 639
^{78}Cu	2005SC28	RADIOACTIVITY $^{78}\text{Ni}(\beta^-)$ [from ^{86}Kr fragmentation]; measured $T_{1/2}$. Comparison with model predictions, astrophysical implications discussed. JOUR ZAANE 25 s01 639
^{78}Ge	2005IW03	NUCLEAR REACTIONS Pb(^{76}Ge , $^{76}\text{Ge}'$), (^{78}Ge , $^{78}\text{Ge}'$), (^{80}Ge , $^{80}\text{Ge}'$), (^{82}Ge , $^{82}\text{Ge}'$), $E \approx 40$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{76,78,80,82}\text{Ge}$ deduced transitions B(E2). JOUR ZAANE 25 s01 415
^{78}Se	2005GAZV	RADIOACTIVITY $^{78}\text{Kr}(2\text{EC})$; measured $2\text{K}(2\nu)$ -capture $T_{1/2}$ lower limit. PREPRINT nucl-ex/0510070,10/26/2005
^{78}Kr	2005GAZV	RADIOACTIVITY $^{78}\text{Kr}(2\text{EC})$; measured $2\text{K}(2\nu)$ -capture $T_{1/2}$ lower limit. PREPRINT nucl-ex/0510070,10/26/2005
	2005SC26	ATOMIC MASSES $^{78,80,82,83,84,86}\text{Kr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51

A=79

^{79}Kr	2004SC48	NUCLEAR REACTIONS $^{78}\text{Kr}(\text{d}, \text{n})$, (d, p), (d, α), ($\text{d}, \text{n}\alpha$), $E \approx 4$ -13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203
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A=79 (continued)

⁷⁹ Rb	2004SC48	NUCLEAR REACTIONS ⁷⁸ Kr(d, n), (d, p), (d, α), (d, nα), E ≈ 4-13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203
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A=80

⁸⁰ Ga	2005MA81	RADIOACTIVITY ³² Na, ⁸⁰ Ga(β ⁻); measured Eγ, Iγ, γγ-, βγ-coin. ³² Mg, ⁸⁰ Ge levels deduced T _{1/2} . Ultra-fast timing techniques. JOUR JPGPE 31 S1421
⁸⁰ Ge	2005IW03	NUCLEAR REACTIONS Pb(⁷⁶ Ge, ⁷⁶ Ge'), (⁷⁸ Ge, ⁷⁸ Ge'), (⁸⁰ Ge, ⁸⁰ Ge'), (⁸² Ge, ⁸² Ge'), E ≈ 40 MeV / nucleon; measured Eγ, Iγ, (particle)γγ-coin following projectile Coulomb excitation. ^{76,78,80,82} Ge deduced transitions B(E2). JOUR ZAANE 25 s01 415
	2005MA81	RADIOACTIVITY ³² Na, ⁸⁰ Ga(β ⁻); measured Eγ, Iγ, γγ-, βγ-coin. ³² Mg, ⁸⁰ Ge levels deduced T _{1/2} . Ultra-fast timing techniques. JOUR JPGPE 31 S1421
⁸⁰ As	2005GA56	NUCLEAR REACTIONS ²³⁸ U(⁸² Se, X), E=505 MeV; ²³⁸ U(⁶⁴ Ni, X), E=400 MeV; measured Eγ, Iγ, γγ-, (fragment)γγ-coin, projectile-like fragments isotopic yields. ⁵⁸ Cr, ⁸⁰ As, ⁸² Ge, ⁸⁴ Se deduced levels, J, π. Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421
⁸⁰ Kr	2005SC26	ATOMIC MASSES ^{78,80,82,83,84,86} Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
⁸⁰ Sr	2005CH60	ATOMIC MASSES ⁶⁴ Zn, ⁶⁴ Ga, ⁶⁸ Ge, ⁶⁸ As, ^{68,72} Se, ⁷⁶ Kr, ⁷⁶ Rb, ⁸⁰ Sr, ⁸⁰ Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
	2005SI34	ATOMIC MASSES ^{76,77,80,81,86,88} Sr, ^{124,129,130,131,132} Sn; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
⁸⁰ Y	2005CH60	ATOMIC MASSES ⁶⁴ Zn, ⁶⁴ Ga, ⁶⁸ Ge, ⁶⁸ As, ^{68,72} Se, ⁷⁶ Kr, ⁷⁶ Rb, ⁸⁰ Sr, ⁸⁰ Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771

A=81

⁸¹ Zn	2004VE14	RADIOACTIVITY ⁸³ Ga, ⁸¹ Zn(β ⁻) [from U(d, X)]; measured Eγ, Iγ, γγ-, βγ-coin, T _{1/2} . ⁸¹ Ga, ⁸³ As deduced levels. JOUR BJPHE 34 979
⁸¹ Ga	2004VE14	RADIOACTIVITY ⁸³ Ga, ⁸¹ Zn(β ⁻) [from U(d, X)]; measured Eγ, Iγ, γγ-, βγ-coin, T _{1/2} . ⁸¹ Ga, ⁸³ As deduced levels. JOUR BJPHE 34 979
⁸¹ Br	2005KA39	RADIOACTIVITY ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured Eγ, Iγ, E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π, ICC. ⁸¹ Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355

A=81 (continued)

	2005KA46	RADIOACTIVITY $^{31}\text{Cl}(\beta^+p)$ [from $\text{S}(p, X)$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(p, X)$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
^{81}Kr	2005KA39	RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA39	NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, X)^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, $E=150\text{-}170$ MeV; $\text{Ni}(^{32}\text{S}, X)^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, $E=150\text{-}170$ MeV; measured yields. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY $^{31}\text{Cl}(\beta^+p)$ [from $\text{S}(p, X)$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(p, X)$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
^{81}Rb	2004KA68	NUCLEAR REACTIONS $^{85}\text{Rb}(p, np)$, $(p, 2np)$, $(p, 3np)$, $(p, 4np)$, $E \approx 17\text{-}100$ MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
	2005KA39	RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY $^{31}\text{Cl}(\beta^+p)$ [from $\text{S}(p, X)$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(p, X)$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
^{81}Sr	2005KA39	RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA39	NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, X)^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, $E=150\text{-}170$ MeV; $\text{Ni}(^{32}\text{S}, X)^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, $E=150\text{-}170$ MeV; measured yields. JOUR ZAANE 25 355

A=81 (continued)

	2005KA46	RADIOACTIVITY $^{31}\text{Cl}(\beta^+p)$ [from $\text{S}(p, X)$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(p, X)$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
^{81}Y	2005KA39	RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA39	NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, X)^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, $E=150-170$ MeV; $\text{Ni}(^{32}\text{S}, X)^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, $E=150-170$ MeV; measured yields. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY $^{31}\text{Cl}(\beta^+p)$ [from $\text{S}(p, X)$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(p, X)$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
^{81}Zr	2005KA39	NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, X)^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, $E=150-170$ MeV; $\text{Ni}(^{32}\text{S}, X)^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, $E=150-170$ MeV; measured yields. JOUR ZAANE 25 355

A=82

^{82}Ge	2005GA56	NUCLEAR REACTIONS $^{238}\text{U}(^{82}\text{Se}, X)$, $E=505$ MeV; $^{238}\text{U}(^{64}\text{Ni}, X)$, $E=400$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (fragment) γ -coin, projectile-like fragments isotopic yields. ^{58}Cr , ^{80}As , ^{82}Ge , ^{84}Se deduced levels, J , π . Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421
	2005IW03	NUCLEAR REACTIONS $\text{Pb}(^{76}\text{Ge}, ^{76}\text{Ge}')$, $(^{78}\text{Ge}, ^{78}\text{Ge}')$, $(^{80}\text{Ge}, ^{80}\text{Ge}')$, $(^{82}\text{Ge}, ^{82}\text{Ge}')$, $E \approx 40$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{76,78,80,82}\text{Ge}$ deduced transitions $B(E2)$. JOUR ZAANE 25 s01 415
^{82}Se	2005AR27	RADIOACTIVITY ^{82}Se , $^{100}\text{Mo}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302
^{82}Kr	2005AR27	RADIOACTIVITY ^{82}Se , $^{100}\text{Mo}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302

A=82 (continued)

	2005SC26	ATOMIC MASSES ^{78,80,82,83,84,86} Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
⁸² Rb	2004KA68	NUCLEAR REACTIONS ⁸⁵ Rb(p, np), (p, 2np), (p, 3np), (p, 4np), E ≈ 17-100 MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
	2005GU37	ATOMIC MASSES ^{56,57} Mn, ^{82m} Rb, ⁹² Sr, ^{124,127} Cs, ¹³⁰ Ba; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35

A=83

⁸³ Ga	2004VE14	RADIOACTIVITY ⁸³ Ga, ⁸¹ Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T _{1/2} . ⁸¹ Ga, ⁸³ As deduced levels. JOUR BJPHE 34 979
⁸³ Ge	2004VE14	RADIOACTIVITY ⁸³ Ga, ⁸¹ Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T _{1/2} . ⁸¹ Ga, ⁸³ As deduced levels. JOUR BJPHE 34 979
	2005CI07	NUCLEAR REACTIONS ² H(⁸² Ge, p), (⁸⁴ Se, p), E=4 MeV / nucleon; measured Ep, $\sigma(\theta)$. ⁸³ Ge, ⁸⁵ Se deduced ground and excited states energies, J, π . JOUR NIMBE 241 200
	2005TH12	NUCLEAR REACTIONS ² H(⁸² Ge, p), E=4 MeV / nucleon; ² H(⁸⁴ Se, p), E=4.5 MeV / nucleon; measured Ep, recoil particle spectrum, proton angular distribution. ⁸³ Ge, ⁸⁵ Se deduced levels J, π , spectroscopic factors. DWBA analysis. JOUR ZAANE 25 s01 371
⁸³ As	2004VE14	RADIOACTIVITY ⁸³ Ga, ⁸¹ Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T _{1/2} . ⁸¹ Ga, ⁸³ As deduced levels. JOUR BJPHE 34 979
⁸³ Kr	2005SC26	ATOMIC MASSES ^{78,80,82,83,84,86} Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
⁸³ Rb	2004KA68	NUCLEAR REACTIONS ⁸⁵ Rb(p, np), (p, 2np), (p, 3np), (p, 4np), E ≈ 17-100 MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
⁸³ Sr	2005DU23	NUCLEAR REACTIONS Ge(¹⁸ O, X) ^{83m} Sr / ⁸³ Y / ^{84m} Y / ^{88m} Y / ⁸⁵ Zr / ⁸⁷ Zr, E=82.8 GeV; ⁸⁴ Se(¹⁸ O, X) ^{86m} Y / ⁸⁵ Zr / ⁸⁷ Nb / ^{87m} Nb / ⁸⁸ Nb / ⁸⁸ Mo, E=82.7 MeV; ¹²⁴ Sn(⁵⁰ Ti, X) ^{168m} Lu / ¹⁶⁷ Hf / ¹⁶⁸ Hf, E=223.7 MeV; ¹¹⁶ Sn(⁵⁰ Ti, X) ¹⁶² Tm / ¹⁶¹ Yb / ¹⁶² Yb / ¹⁶³ Yb / ¹⁶² Lu / ¹⁶² Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
⁸³ Y	2005DU23	NUCLEAR REACTIONS Ge(¹⁸ O, X) ^{83m} Sr / ⁸³ Y / ^{84m} Y / ^{88m} Y / ⁸⁵ Zr / ⁸⁷ Zr, E=82.8 GeV; ⁸⁴ Se(¹⁸ O, X) ^{86m} Y / ⁸⁵ Zr / ⁸⁷ Nb / ^{87m} Nb / ⁸⁸ Nb / ⁸⁸ Mo, E=82.7 MeV; ¹²⁴ Sn(⁵⁰ Ti, X) ^{168m} Lu / ¹⁶⁷ Hf / ¹⁶⁸ Hf, E=223.7 MeV; ¹¹⁶ Sn(⁵⁰ Ti, X) ¹⁶² Tm / ¹⁶¹ Yb / ¹⁶² Yb / ¹⁶³ Yb / ¹⁶² Lu / ¹⁶² Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=84

- ⁸⁴Se 2005GA56 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; ²³⁸U(⁶⁴Ni, X), E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (fragment) γ -coin, projectile-like fragments isotopic yields. ⁵⁸Cr, ⁸⁰As, ⁸²Ge, ⁸⁴Se deduced levels, J, π . Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421
- ⁸⁴Kr 2005SC26 ATOMIC MASSES ^{78,80,82,83,84,86}Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
- ⁸⁴Rb 2004KA68 NUCLEAR REACTIONS ⁸⁵Rb(p, np), (p, 2np), (p, 3np), (p, 4np), E $\approx$ 17-100 MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
- ⁸⁴Y 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- 2005I002 NUCLEAR REACTIONS ⁸⁴Sr(p, n), E=13.5 MeV; measured E γ , I γ (θ , H, t). ⁸⁴Y deduced levels, J, π , configurations, g factors, isomeric states T_{1/2}. Time-differential perturbed angular distribution method. JOUR PRVCA 72 044313

A=85

- ⁸⁵Se 2005CI07 NUCLEAR REACTIONS ²H(⁸²Ge, p), (⁸⁴Se, p), E=4 MeV / nucleon; measured Ep, $\sigma(\theta)$. ⁸³Ge, ⁸⁵Se deduced ground and excited states energies, J, π . JOUR NIMBE 241 200
- 2005TH12 NUCLEAR REACTIONS ²H(⁸²Ge, p), E=4 MeV / nucleon; ²H(⁸⁴Se, p), E=4.5 MeV / nucleon; measured Ep, recoil particle spectrum, proton angular distribution. ⁸³Ge, ⁸⁵Se deduced levels J, π , spectroscopic factors. DWBA analysis. JOUR ZAANE 25 s01 371
- ⁸⁵Rb 2005KR15 NUCLEAR MOMENTS ^{85,87}Rb; measured excited-state hfs. Electromagnetically induced transparency. JOUR EULEE 72 221
- ⁸⁵Y 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=85 (continued)

⁸⁵ Zr	2005DU23	NUCLEAR REACTIONS Ge(¹⁸ O, X) ^{83m} Sr / ⁸³ Y / ^{84m} Y / ^{88m} Y / ⁸⁵ Zr / ⁸⁷ Zr, E=82.8 GeV; ⁸⁴ Se(¹⁸ O, X) ^{86m} Y / ⁸⁵ Zr / ⁸⁷ Nb / ^{87m} Nb / ⁸⁸ Nb / ⁸⁸ Mo, E=82.7 MeV; ¹²⁴ Sn(⁵⁰ Ti, X) ^{168m} Lu / ¹⁶⁷ Hf / ¹⁶⁸ Hf, E=223.7 MeV; ¹¹⁶ Sn(⁵⁰ Ti, X) ¹⁶² Tm / ¹⁶¹ Yb / ¹⁶² Yb / ¹⁶³ Yb / ¹⁶² Lu / ¹⁶² Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
	2005KA39	RADIOACTIVITY ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY ³¹ Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸ Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T _{1/2} . ⁵⁸ Cu deduced levels, β -feeding intensities. ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
⁸⁵ Nb	2005KA39	RADIOACTIVITY ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA39	NUCLEAR REACTIONS ⁵⁴ Fe(³² S, X) ⁸¹ Zr / ⁸¹ Y / ⁸¹ Sr / ^{81m} Kr, E=150-170 MeV; Ni(³² S, X) ⁸⁵ Nb / ^{85m} Nb / ^{85Zr} / ^{85m} Zr / ⁸⁶ Mo / ⁸⁶ Nb, E=150-170 MeV; measured yields. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY ³¹ Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸ Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T _{1/2} . ⁵⁸ Cu deduced levels, β -feeding intensities. ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=86

⁸⁶ Kr	2005SC26	ATOMIC MASSES ^{78,80,82,83,84,86} Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
⁸⁶ Sr	2005SI34	ATOMIC MASSES ^{76,77,80,81,86,88} Sr, ^{124,129,130,131,132} Sn; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=86 (continued)

⁸⁶ Y	2005DU23	NUCLEAR REACTIONS Ge(¹⁸ O, X) ^{83m} Sr / ⁸³ Y / ^{84m} Y / ^{88m} Y / ⁸⁵ Zr / ⁸⁷ Zr, E=82.8 GeV; ⁸⁴ Se(¹⁸ O, X) ^{86m} Y / ⁸⁵ Zr / ⁸⁷ Nb / ^{87m} Nb / ⁸⁸ Nb / ⁸⁸ Mo, E=82.7 MeV; ¹²⁴ Sn(⁵⁰ Ti, X) ^{168m} Lu / ¹⁶⁷ Hf / ¹⁶⁸ Hf, E=223.7 MeV; ¹¹⁶ Sn(⁵⁰ Ti, X) ¹⁶² Tm / ¹⁶¹ Yb / ¹⁶² Yb / ¹⁶³ Yb / ¹⁶² Lu / ¹⁶² Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical pre-separation technique. JOUR NIMAE 551 528
⁸⁶ Zr	2005BI25	NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102} Zr; measured charge radii. ¹⁷⁶ Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005KA39	RADIOACTIVITY ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY ³¹ Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸ Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T _{1/2} . ⁵⁸ Cu deduced levels, β -feeding intensities. ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
⁸⁶ Nb	2005KA39	RADIOACTIVITY ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY ³¹ Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸ Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T _{1/2} . ⁵⁸ Cu deduced levels, β -feeding intensities. ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
⁸⁶ Mo	2005KA39	RADIOACTIVITY ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
	2005KA46	RADIOACTIVITY ³¹ Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸ Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T _{1/2} . ⁵⁸ Cu deduced levels, β -feeding intensities. ^{81m} Kr(EC), (IT); ⁸¹ Y, ⁸¹ Sr, ⁸⁵ Nb, ⁸⁵ Zr, ⁸⁶ Mo, ⁸⁶ Nb(EC) [from Ni, ⁵⁴ Fe(³² S, X)]; measured E γ , I γ , E(ce), I(ce), T _{1/2} . ⁸¹ Kr, ⁸⁵ Zr, ⁸⁵ Nb deduced isomeric transitions T _{1/2} , ICC. ⁸⁵ Zr, ⁸⁶ Nb deduced levels, J, π , ICC. ⁸¹ Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=87

⁸⁷ Rb	2005KR15	NUCLEAR MOMENTS ^{85,87} Rb; measured excited-state hfs. Electromagnetically induced transparency. JOUR EULEE 72 221
⁸⁷ Zr	2005BI25	NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102} Zr; measured charge radii. ¹⁷⁶ Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005DU23	NUCLEAR REACTIONS Ge(¹⁸ O, X) ^{83m} Sr / ⁸³ Y / ^{84m} Y / ^{88m} Y / ⁸⁵ Zr / ⁸⁷ Zr, E=82.8 GeV; ⁸⁴ Se(¹⁸ O, X) ^{86m} Y / ⁸⁵ Zr / ⁸⁷ Nb / ^{87m} Nb / ⁸⁸ Nb / ⁸⁸ Mo, E=82.7 MeV; ¹²⁴ Sn(⁵⁰ Ti, X) ^{168m} Lu / ¹⁶⁷ Hf / ¹⁶⁸ Hf, E=223.7 MeV; ¹¹⁶ Sn(⁵⁰ Ti, X) ¹⁶² Tm / ¹⁶¹ Yb / ¹⁶² Yb / ¹⁶³ Yb / ¹⁶² Lu / ¹⁶² Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
⁸⁷ Nb	2005DU23	NUCLEAR REACTIONS Ge(¹⁸ O, X) ^{83m} Sr / ⁸³ Y / ^{84m} Y / ^{88m} Y / ⁸⁵ Zr / ⁸⁷ Zr, E=82.8 GeV; ⁸⁴ Se(¹⁸ O, X) ^{86m} Y / ⁸⁵ Zr / ⁸⁷ Nb / ^{87m} Nb / ⁸⁸ Nb / ⁸⁸ Mo, E=82.7 MeV; ¹²⁴ Sn(⁵⁰ Ti, X) ^{168m} Lu / ¹⁶⁷ Hf / ¹⁶⁸ Hf, E=223.7 MeV; ¹¹⁶ Sn(⁵⁰ Ti, X) ¹⁶² Tm / ¹⁶¹ Yb / ¹⁶² Yb / ¹⁶³ Yb / ¹⁶² Lu / ¹⁶² Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=88

⁸⁸ Sr	2005GA44	NUCLEAR REACTIONS ²⁰⁸ Pb(⁹⁰ Zr, X) ⁹⁰ Zr / ⁹² Zr / ⁸⁸ Sr, E=560 MeV; ²³⁸ U(⁶⁴ Ni, X) ⁵⁸ Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸ Cr, ^{90,92} Zr, ⁸⁸ Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443
	2005SI34	ATOMIC MASSES ^{76,77,80,81,86,88} Sr, ^{124,129,130,131,132} Sn; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
⁸⁸ Y	2005DU23	NUCLEAR REACTIONS Ge(¹⁸ O, X) ^{83m} Sr / ⁸³ Y / ^{84m} Y / ^{88m} Y / ⁸⁵ Zr / ⁸⁷ Zr, E=82.8 GeV; ⁸⁴ Se(¹⁸ O, X) ^{86m} Y / ⁸⁵ Zr / ⁸⁷ Nb / ^{87m} Nb / ⁸⁸ Nb / ⁸⁸ Mo, E=82.7 MeV; ¹²⁴ Sn(⁵⁰ Ti, X) ^{168m} Lu / ¹⁶⁷ Hf / ¹⁶⁸ Hf, E=223.7 MeV; ¹¹⁶ Sn(⁵⁰ Ti, X) ¹⁶² Tm / ¹⁶¹ Yb / ¹⁶² Yb / ¹⁶³ Yb / ¹⁶² Lu / ¹⁶² Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
⁸⁸ Zr	2005BI25	NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102} Zr; measured charge radii. ¹⁷⁶ Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005WA31	NUCLEAR REACTIONS ^{92,98,100} Mo(γ , γ'), E=13.2 MeV bremsstrahlung; measured E γ , I γ . ^{92,100} Mo, ¹⁹⁷ Au(γ , n), ⁹² Mo(γ , p), (γ , α), E $\approx$ 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969

A=88 (continued)

- ⁸⁸Nb 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical pre-separation technique. JOUR NIMAE 551 528
- ⁸⁸Mo 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical pre-separation technique. JOUR NIMAE 551 528

A=89

- ⁸⁹Kr 2004GA60 NUCLEAR REACTIONS ²³⁷Np(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ²³⁷Np, ²⁴³Am(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ⁸⁹Sr 2004SP06 NUCLEAR REACTIONS ^{64,67}Zn, ⁸⁹Y(n, p), E=14 MeV; measured σ . Comparison with results using fission neutrons. JOUR RAACA 92 183
- ⁸⁹Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187

A=90

- ⁹⁰Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005C025 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁰Ca, ⁴²Ca), E=225 MeV; measured $\sigma(E, \theta)$. ⁴²Ca deduced excited states configurations. ²⁰⁸Pb(⁹⁰Zr, X), E=560 MeV; measured E γ , I γ , (fragment) γ -coin, isotopic yields for projectile-like fragments. ⁹⁰Zr deduced transitions. JOUR ZAANE 25 s01 427
- 2005GA44 NUCLEAR REACTIONS ²⁰⁸Pb(⁹⁰Zr, X)⁹⁰Zr / ⁹²Zr / ⁸⁸Sr, E=560 MeV; ²³⁸U(⁶⁴Ni, X)⁵⁸Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸Cr, ^{90,92}Zr, ⁸⁸Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443

A=90 (continued)

	2005VA31	NUCLEAR REACTIONS $^{48}\text{Ti}(^{132}\text{Sn}, ^{132}\text{Sn}')$, E=470-495 MeV; $^{90}\text{Zr}(^{134}\text{Sn}, ^{134}\text{Sn}')$, E=400 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{132,134}\text{Sn}$ deduced transitions B(E2). JOUR ZAANE 25 s01 391
^{90}Nb	2004ZH45	NUCLEAR REACTIONS $^{90,94}\text{Zr}(p, n)$, E=7-11 MeV; measured E_n , $\sigma(E, \theta)$, excitation functions. $^{90,94}\text{Nb}$ deduced level densities, shell effects. Optical-statistical analysis. JOUR BRSPE 68 1319
	2005CH65	NUCLEAR REACTIONS $^{63}\text{Cu}(^{31}\text{P}, n3p)$, E=120, 125 MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{90}Nb deduced levels, J, π , configurations, isomeric states $T_{1/2}$, B(E2). Large-basis shell model calculations. JOUR PRVCA 72 054309
	2005CU07	NUCLEAR REACTIONS $^{76}\text{Ge}(^{19}\text{F}, 5n)$, E=80 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{90}Nb deduced high-spin levels, J, π , configurations. Semi-empirical shell model calculations. JOUR PRVCA 72 044322
^{90}Mo	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
^{90}Tc	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=91

^{91}Kr	2004GA60	NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, F)^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
	2005GA50	NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, F)^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
^{91}Zr	2005BI25	NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
^{91}Nb	2005WA31	NUCLEAR REACTIONS $^{92,98,100}\text{Mo}(\gamma, \gamma')$, E=13.2 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. $^{92,100}\text{Mo}$, $^{197}\text{Au}(\gamma, n)$, $^{92}\text{Mo}(\gamma, p)$, (γ, α) , E $\approx$ 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969
^{91}Mo	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=91 (continued)

- ⁹¹Tc 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective $T_{1/2}$. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=92

- ⁹²Kr 2004GA60 NUCLEAR REACTIONS ²³⁷Np(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ²³⁷Np, ²⁴³Am(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ⁹²Sr 2005GU37 ATOMIC MASSES ^{56,57}Mn, ^{82m}Rb, ⁹²Sr, ^{124,127}Cs, ¹³⁰Ba; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35
- ⁹²Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005GA44 NUCLEAR REACTIONS ²⁰⁸Pb(⁹⁰Zr, X)⁹⁰Zr / ⁹²Zr / ⁸⁸Sr, E=560 MeV; ²³⁸U(⁶⁴Ni, X)⁵⁸Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸Cr, ^{90,92}Zr, ⁸⁸Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443
- ⁹²Mo 2005RUZZ NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=14 MeV
bremsstrahlung; measured E γ , I γ . ^{92,98,100}Mo deduced dipole strength functions, resonance features. PREPRINT nucl-ex/0512027,12/20/2005
- 2005WA31 NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=13.2 MeV
bremsstrahlung; measured E γ , I γ . ^{92,100}Mo, ¹⁹⁷Au(γ , n), ⁹²Mo(γ , p), (γ , α), E $\approx$ 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969
- ⁹²Tc 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective $T_{1/2}$. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=93

- ⁹³Kr 2004GA60 NUCLEAR REACTIONS ²³⁷Np(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298

A=93 (continued)

	2005GA50	NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe}$ / ^{137}Xe / ^{138}Xe / ^{139}Xe / ^{140}Xe / ^{141}Xe / ^{142}Xe / ^{89}Kr / ^{91}Kr / ^{92}Kr / ^{93}Kr , E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
^{93}Zr	2005BI25	NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
^{93}Nb	2005MC13	NUCLEAR REACTIONS $^{93}\text{Nb}(\text{n}, \text{n}')$, E=1.5-2.6 MeV; $^{94}\text{Zr}(\text{p}, 2\text{n})$, E=11.5-19 MeV; measured $E\gamma$, $I\gamma$, DSA, branching ratios, excitation functions. ^{93}Nb deduced levels J, π , $T_{1/2}$, mixed-symmetry states. JOUR ZAANE 25 s01 377
^{93}Tc	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
	2005NA43	RADIOACTIVITY $^{93\text{m}}\text{Tc}(\text{IT})$ [from $^{45}\text{Sc}(^{52}\text{Cr}, 2\text{n}2\text{p})$]; measured γ -ray anisotropies from oriented source; deduced parity-nonconserving matrix element. JOUR ZAANE 25 s01 703
^{93}Ru	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=94

^{94}Zr	2005BI25	NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
^{94}Nb	2004ZH45	NUCLEAR REACTIONS $^{90,94}\text{Zr}(\text{p}, \text{n})$, E=7-11 MeV; measured $E\text{n}$, $\sigma(E, \theta)$, excitation functions. $^{90,94}\text{Nb}$ deduced level densities, shell effects. Optical-statistical analysis. JOUR BRSP 68 1319
^{94}Ru	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
^{94}Rh	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=95

^{95}Sr	2005HW06	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
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A=95 (continued)

⁹⁵ Zr	2005BI25	NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102} Zr; measured charge radii. ¹⁷⁶ Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
⁹⁵ Nb	2005RA30	NUCLEAR REACTIONS ⁹³ Nb(t, p), E=12 MeV; measured E _p , σ(E, θ). ⁹⁵ Nb deduced levels, J, π. Comparison with previous results and model predictions. JOUR PRVCA 72 054303
⁹⁵ Rh	2005CL08	ATOMIC MASSES ⁶⁴ Ge, ⁶⁸ Se; analyzed masses; deduced effective T _{1/2} . ^{90,91} Mo, ^{90,91,92,93} Tc, ^{93,94} Ru, ^{94,95} Rh, ^{104,105,106,107} In, ^{104,105,107,108} Sn, ^{107,108} Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=96

⁹⁶ Zr	2005BI25	NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102} Zr; measured charge radii. ¹⁷⁶ Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005SM08	RADIOACTIVITY ²⁵² Cf(SF); measured E _γ , I _γ (θ, H, t), γγ-coin. ^{96,100,102} Zr, ^{102,104,106,108} Mo, ^{106,108,110,112} Ru, ^{110,114,116} Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=97

⁹⁷ Sr	2005HW06	RADIOACTIVITY ²⁵² Cf(SF); measured E _γ , I _γ , γγ-coin. ^{95,97} Sr, ⁹⁹ Zr, ¹⁰⁸ Tc, ^{133,134} Te, ¹³⁷ Xe levels deduced T _{1/2} . Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
⁹⁷ Zr	2005BI25	NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102} Zr; measured charge radii. ¹⁷⁶ Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
⁹⁷ Rh	2005T015	NUCLEAR REACTIONS ⁹³ Nb(¹² C, X) ⁹⁷ Rh / ⁹⁹ Rh, E=55.7-77.5 MeV; ⁸⁹ Y(¹⁶ O, X) ⁹⁹ Rh, E=68-81 MeV; measured isomeric σ ratios following complete and incomplete fusion; deduced angular momentum transfer. Recoil catcher technique. JOUR PRAMC 64 1

A=98

⁹⁸ Sr	2005F017	RADIOACTIVITY ²⁵² Cf(SF); measured E _γ , I _γ , γγ-coin. ⁹⁸ Sr, ^{102,104} Zr, ¹³⁷ Xe, ¹⁴³ Ba, ¹⁵² Ce levels deduced T _{1/2} . Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
⁹⁸ Zr	2005BI25	NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102} Zr; measured charge radii. ¹⁷⁶ Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005J022	ATOMIC MASSES ^{98,99,100,101,102,103,104,105} Zr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27

A=98 (continued)

- ⁹⁸Mo 2005RUZZ NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=14 MeV
bremsstrahlung; measured E γ , I γ . ^{92,98,100}Mo deduced dipole strength
functions, resonance features. PREPRINT nucl-ex/0512027,12/20/2005
- 2005WA31 NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=13.2 MeV
bremsstrahlung; measured E γ , I γ . ^{92,100}Mo, ¹⁹⁷Au(γ , n), ⁹²Mo(γ , p),
(γ , α), E $\approx$ 11.8-16.5 MeV bremsstrahlung; measured integrated σ .
JOUR JPGPE 31 S1969

A=99

- ⁹⁹Y 2005LH01 RADIOACTIVITY ⁹⁹Y(β^-); measured β -delayed E γ , I γ , $\gamma\gamma$ -coin;
deduced logft. ⁹⁹Zr deduced levels, J, π , configurations. Interacting
boson-fermion model calculations. JOUR PRVCA 72 034308
- 2005LU21 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{99,101}Y,
^{101,105}Nb deduced levels, J, π , configurations, rotational bands, shape
transition features. Gammasphere array,
triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303
- 2005LU24 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{99,101}Y,
^{101,105}Nb deduced levels, J, π , configurations, deformation.
Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR
ZAANE 25 s01 469
- ⁹⁹Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr;
measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler,
laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005HW06 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{95,97}Sr, ⁹⁹Zr,
¹⁰⁸Tc, ^{133,134}Te, ¹³⁷Xe levels deduced T_{1/2}. Gammasphere array,
time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- 2005J022 ATOMIC MASSES ^{98,99,100,101,102,103,104,105}Zr; measured masses.
Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
- 2005LH01 RADIOACTIVITY ⁹⁹Y(β^-); measured β -delayed E γ , I γ , $\gamma\gamma$ -coin;
deduced logft. ⁹⁹Zr deduced levels, J, π , configurations. Interacting
boson-fermion model calculations. JOUR PRVCA 72 034308
- ⁹⁹Ru 2004R047 NUCLEAR REACTIONS ^{99,101}Ru(d, d'), E=13 MeV; measured σ (E,
 θ). ^{99,101}Ru levels deduced deformation lengths, Coulomb-nuclear
interference parameters. DWBA-deformed optical model analysis.
JOUR BJPHE 34 760
- ⁹⁹Rh 2005T015 NUCLEAR REACTIONS ⁹³Nb(¹²C, X)⁹⁷Rh / ⁹⁹Rh, E=55.7-77.5
MeV; ⁸⁹Y(¹⁶O, X)⁹⁹Rh, E=68-81 MeV; measured isomeric σ ratios
following complete and incomplete fusion; deduced angular momentum
transfer. Recoil catcher technique. JOUR PRAMC 64 1

A=100

- ¹⁰⁰Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr;
measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler,
laser spectroscopy. JOUR ZAANE 25 s01 187

A=100 (*continued*)

	2005J022	ATOMIC MASSES ^{98,99,100,101,102,103,104,105} Zr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
	2005SM08	RADIOACTIVITY ²⁵² Cf(SF); measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ^{96,100,102} Zr, ^{102,104,106,108} Mo, ^{106,108,110,112} Ru, ^{110,114,116} Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
¹⁰⁰ Mo	2005AR27	RADIOACTIVITY ⁸² Se, ¹⁰⁰ Mo($2\beta^-$); measured $2\nu\beta\beta$ -decay T _{1/2} , $0\nu\beta\beta$ -decay T _{1/2} lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302
	2005H0ZW	RADIOACTIVITY ¹⁰⁰ Mo($2\beta^-$); measured E γ , I γ , $\gamma\gamma$ -coin, T _{1/2} for decay to excited states. ¹⁰⁰ Ru levels deduced feeding intensities. PREPRINT nucl-ex/0512030,12/20/2005
	2005RUZZ	NUCLEAR REACTIONS ^{92,98,100} Mo(γ , γ'), E=14 MeV bremsstrahlung; measured E γ , I γ . ^{92,98,100} Mo deduced dipole strength functions, resonance features. PREPRINT nucl-ex/0512027,12/20/2005
	2005WA31	NUCLEAR REACTIONS ^{92,98,100} Mo(γ , γ'), E=13.2 MeV bremsstrahlung; measured E γ , I γ . ^{92,100} Mo, ¹⁹⁷ Au(γ , n), ⁹² Mo(γ , p), (γ , α), E $\approx$ 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969
¹⁰⁰ Ru	2005AR27	RADIOACTIVITY ⁸² Se, ¹⁰⁰ Mo($2\beta^-$); measured $2\nu\beta\beta$ -decay T _{1/2} , $0\nu\beta\beta$ -decay T _{1/2} lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302
	2005H0ZW	RADIOACTIVITY ¹⁰⁰ Mo($2\beta^-$); measured E γ , I γ , $\gamma\gamma$ -coin, T _{1/2} for decay to excited states. ¹⁰⁰ Ru levels deduced feeding intensities. PREPRINT nucl-ex/0512030,12/20/2005
¹⁰⁰ In	2005KA47	RADIOACTIVITY ¹⁰² Sn(β^+) [from ⁵⁸ Ni(⁵⁰ Cr, X)]; measured E γ , I γ , $\gamma\gamma$ -coin, E β , B(GT). ¹⁰² In levels deduced β -feeding intensities, log ft, hindrance factor. ¹⁰⁰ Sn(β^+); analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 135
¹⁰⁰ Sn	2005KA47	RADIOACTIVITY ¹⁰² Sn(β^+) [from ⁵⁸ Ni(⁵⁰ Cr, X)]; measured E γ , I γ , $\gamma\gamma$ -coin, E β , B(GT). ¹⁰² In levels deduced β -feeding intensities, log ft, hindrance factor. ¹⁰⁰ Sn(β^+); analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 135
	2005KA47	NUCLEAR REACTIONS ⁵⁸ Ni(⁵⁰ Cr, X) ¹⁰¹ Sn / ¹⁰² Sn / ¹⁰³ Sn / ¹⁰⁴ Sn / ¹⁰⁵ Sn, E $\approx$ 5 MeV / nucleon; measured production σ . ⁵⁸ Ni(⁵⁰ Cr, X) ¹⁰⁰ Sn, E=5.8 MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135

A=101

¹⁰¹ Y	2005LU21	RADIOACTIVITY ²⁵² Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{99,101} Y, ^{101,105} Nb deduced levels, J, π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303
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A=101 (*continued*)

	2005LU24	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
^{101}Zr	2005BI25	NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005J022	ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
^{101}Nb	2005LU21	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303
	2005LU24	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
^{101}Ru	2004R047	NUCLEAR REACTIONS $^{99,101}\text{Ru}(\text{d}, \text{d}')$, $E=13$ MeV; measured $\sigma(E, \theta)$. $^{99,101}\text{Ru}$ levels deduced deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 760
^{101}Sn	2005KA47	NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135

A=102

^{102}Zr	2005BI25	NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005F017	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
	2005J022	ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
^{102}Mo	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=102 (*continued*)

^{102}In	2005KA47	RADIOACTIVITY $^{102}\text{Sn}(\beta^+)$ [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E\beta$, $B(\text{GT})$. ^{102}In levels deduced β -feeding intensities, log ft, hindrance factor. $^{100}\text{Sn}(\beta^+)$; analyzed data; deduced $B(\text{GT})$, hindrance factor. JOUR ZAANE 25 s01 135
^{102}Sn	2005HA57	RADIOACTIVITY $^{106}\text{Te}(\alpha)$ [from $^{54}\text{Fe}(^{54}\text{Fe}, 2n)$]; measured $E\alpha$, $T_{1/2}$. JOUR PRVCA 72 041303
	2005KA47	RADIOACTIVITY $^{102}\text{Sn}(\beta^+)$ [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E\beta$, $B(\text{GT})$. ^{102}In levels deduced β -feeding intensities, log ft, hindrance factor. $^{100}\text{Sn}(\beta^+)$; analyzed data; deduced $B(\text{GT})$, hindrance factor. JOUR ZAANE 25 s01 135
	2005KA47	NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135

A=103

^{103}Zr	2005J022	ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
^{103}Rh	2004AG09	NUCLEAR REACTIONS $^{103}\text{Rh}(n, n')^{103m}\text{Rh}$, $E \approx 4.8$ MeV; $^{115}\text{In}(n, n')^{115m}\text{In}$, $E \approx 5$ MeV; ^{232}Th , $^{238}\text{U}(n, \text{F})$, $E \approx 5$ MeV; ^{24}Mg , ^{27}Al , $^{46,47,48}\text{Ti}$, $^{54,56}\text{Fe}$, ^{58}Ni , $^{64}\text{Zn}(n, p)$, $E \approx 2-8$ MeV; ^{27}Al , $^{59}\text{Co}(n, \alpha)$, $E \approx 8.3$ MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63
	2005CH62	NUCLEAR REACTIONS $^{103}\text{Rh}(\gamma, \gamma')$, $E \approx 40$ keV; measured $E\gamma$, X-ray spectra; deduced ICC. Isomer production via bremsstrahlung spectra. JOUR CPLEE 22 2530
^{103}Ag	2004HE35	NUCLEAR REACTIONS $\text{Pd}(p, xn)^{103}\text{Ag}$, $E \approx 15-37$ MeV; $\text{Pd}(d, xn)^{103}\text{Ag}$, $E \approx 5-20$ MeV; measured excitation functions. Stacked-foil activation technique. JOUR RAACA 92 215
^{103}In	2005KA48	RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, $B(\text{GT})$, $T_{1/2}$. ^{103}In deduced levels, J , π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; analyzed data; deduced $B(\text{GT})$, hindrance factor. JOUR ZAANE 25 s01 139
^{103}Sn	2005KA47	NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135
	2005KA48	RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, $B(\text{GT})$, $T_{1/2}$. ^{103}In deduced levels, J , π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; analyzed data; deduced $B(\text{GT})$, hindrance factor. JOUR ZAANE 25 s01 139

A=104

^{104}Zr	2005F017	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
	2005J022	ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
^{104}Mo	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
	2005WI23	NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, \text{xnp}\alpha)^{104}\text{Rh}$ / ^{105}Rh / ^{107}Pd / ^{108}Pd , $E=43$ MeV; $^{51}\text{V}(^{16}\text{O}, \text{xnp}\alpha)^{60}\text{Ni}$ / ^{61}Ni / ^{61}Cu / ^{62}Cu , $E=70$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
^{104}Pd	2004R048	NUCLEAR REACTIONS $^{104,106,108,110}\text{Pd}(\text{d}, \text{d}')$, $E=13$ MeV; measured $\sigma(E, \theta)$. $^{104,106,108,110}\text{Pd}$ levels deduced $B(E2)$, deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
	2005BEZS	NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, $(^{126}\text{Cd}, ^{126}\text{Cd}')$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation $B(E2)$. REPT MLL 2004 Annual,P14,Behrens
^{104}In	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
^{104}Sn	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
	2005KA47	NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn}$ / ^{102}Sn / ^{103}Sn / ^{104}Sn / ^{105}Sn , $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135
	2005LI47	RADIOACTIVITY $^{105}\text{Sb}(\text{p})$ [from $^{50}\text{Cr}(^{58}\text{Ni}, 2\text{np})$]; measured $E\text{p}$; deduced upper limit for proton decay branching ratio. JOUR PRVCA 72 047301

A=105

^{105}Zr	2005J022	ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
^{105}Nb	2005LU21	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303

A=105 (*continued*)

- 2005LU24 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
- ^{105}Rh 2004AL43 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, 2n\alpha)$, $E=43$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin. ^{105}Rh deduced levels, J , π , possible chiral bands. Tilted axis cranking model calculations. JOUR BJPHE 34 999
- 2005WI23 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, \text{xnpz}\alpha)^{104}\text{Rh} / ^{105}\text{Rh} / ^{107}\text{Pd} / ^{108}\text{Pd}$, $E=43$ MeV; $^{51}\text{V}(^{16}\text{O}, \text{xnpz}\alpha)^{60}\text{Ni} / ^{61}\text{Ni} / ^{61}\text{Cu} / ^{62}\text{Cu}$, $E=70$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ^{105}Ag 2005HA56 NUCLEAR REACTIONS $^{104}\text{Pd}(p, \gamma)$, $E(\text{cm})=2-8$ MeV; $^{118}\text{Sn}(\alpha, \gamma)$, $E(\text{cm})=10-11$ MeV; measured $E\gamma$, $I\gamma$, σ . Comparison with model predictions. JOUR JPGPE 31 S1417
- ^{105}In 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005KA48 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, $B(\text{GT})$, $T_{1/2}$. ^{103}In deduced levels, J , π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; analyzed data; deduced $B(\text{GT})$, hindrance factor. JOUR ZAANE 25 s01 139
- ^{105}Sn 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005KA47 NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135
- 2005KA48 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, $B(\text{GT})$, $T_{1/2}$. ^{103}In deduced levels, J , π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; analyzed data; deduced $B(\text{GT})$, hindrance factor. JOUR ZAANE 25 s01 139
- ^{105}Sb 2005LI47 NUCLEAR REACTIONS $^{50}\text{Cr}(^{58}\text{Ni}, 2np)$, $E=222, 255$ MeV; measured delayed Ep. ^{105}Sb deduced upper limit for proton decay branching ratio. JOUR PRVCA 72 047301
- 2005LI47 RADIOACTIVITY $^{105}\text{Sb}(p)$ [from $^{50}\text{Cr}(^{58}\text{Ni}, 2np)$]; measured Ep; deduced upper limit for proton decay branching ratio. JOUR PRVCA 72 047301

A=106

¹⁰⁶ Mo	2005SM08	RADIOACTIVITY ²⁵² Cf(SF); measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ^{96,100,102} Zr, ^{102,104,106,108} Mo, ^{106,108,110,112} Ru, ^{110,114,116} Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
	2005ZH36	RADIOACTIVITY ²⁵² Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁶ Mo deduced high-spin levels, J, π , chiral vibrational bands. Gammasphere array, tilted-axis cranking model analysis. JOUR ZAANE 25 s01 459
¹⁰⁶ Ru	2005SM08	RADIOACTIVITY ²⁵² Cf(SF); measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ^{96,100,102} Zr, ^{102,104,106,108} Mo, ^{106,108,110,112} Ru, ^{110,114,116} Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
	2004R048	NUCLEAR REACTIONS ^{104,106,108,110} Pd(d, d'), E=13 MeV; measured σ (E, θ). ^{104,106,108,110} Pd levels deduced B(E2), deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
¹⁰⁶ Ag	2005J020	NUCLEAR REACTIONS ¹⁰⁰ Mo(¹⁰ B, 4n), E=42 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁶ Ag deduced high-spin levels, J, π , configurations, possible triaxial rotation. Gammasphere array. JOUR JPGPE 31 S1895
¹⁰⁶ In	2005CL08	ATOMIC MASSES ⁶⁴ Ge, ⁶⁸ Se; analyzed masses; deduced effective T _{1/2} . ^{90,91} Mo, ^{90,91,92,93} Tc, ^{93,94} Ru, ^{94,95} Rh, ^{104,105,106,107} In, ^{104,105,107,108} Sn, ^{107,108} Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
¹⁰⁶ Te	2005HA57	NUCLEAR REACTIONS ⁵⁴ Fe(⁵⁴ Fe, 2n), E=182 MeV; measured E γ , I γ , (recoil) γ -coin; deduced σ . ¹⁰⁶ Te deduced levels, possible vibrational excitation. Recoil-decay tagging, level systematics in Te isotopes discussed. JOUR PRVCA 72 041303
	2005HA57	RADIOACTIVITY ¹⁰⁶ Te(α) [from ⁵⁴ Fe(⁵⁴ Fe, 2n)]; measured E α , T _{1/2} . JOUR PRVCA 72 041303

A=107

¹⁰⁷ Pd	2005WI23	NUCLEAR REACTIONS ¹⁰⁰ Mo(¹¹ B, xnypz α) ¹⁰⁴ Rh / ¹⁰⁵ Rh / ¹⁰⁷ Pd / ¹⁰⁸ Pd, E=43 MeV; ⁵¹ V(¹⁶ O, xnypz α) ⁶⁰ Ni / ⁶¹ Ni / ⁶¹ Cu / ⁶² Cu, E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
¹⁰⁷ Cd	2005AN26	NUCLEAR REACTIONS ⁹⁸ Mo(¹² C, 3n), E=60 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁷ Cd levels deduced T _{1/2} , B(E2). Recoil-distance method. JOUR JPGPE 31 S1563
¹⁰⁷ In	2005CL08	ATOMIC MASSES ⁶⁴ Ge, ⁶⁸ Se; analyzed masses; deduced effective T _{1/2} . ^{90,91} Mo, ^{90,91,92,93} Tc, ^{93,94} Ru, ^{94,95} Rh, ^{104,105,106,107} In, ^{104,105,107,108} Sn, ^{107,108} Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=107 (*continued*)

- ^{107}Sn 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- ^{107}Sb 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=108

- ^{108}Mo 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ^{108}Tc 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- ^{108}Ru 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ^{108}Pd 2004AL44 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, 2n\text{p})$, $E=43$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin. ^{108}Pd deduced levels, J , π , configurations. Cranking model analysis. JOUR BJPHE 34 1005
- 2004R048 NUCLEAR REACTIONS $^{104,106,108,110}\text{Pd}(d, d')$, $E=13$ MeV; measured $\sigma(E, \theta)$. $^{104,106,108,110}\text{Pd}$ levels deduced $B(E2)$, deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
- 2005BEZS NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, $(^{126}\text{Cd}, ^{126}\text{Cd}')$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation $B(E2)$. REPT MLL 2004 Annual,P14,Behrens
- 2005WI23 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, \text{xnp}\gamma\alpha)^{104}\text{Rh} / ^{105}\text{Rh} / ^{107}\text{Pd} / ^{108}\text{Pd}$, $E=43$ MeV; $^{51}\text{V}(^{16}\text{O}, \text{xnp}\gamma\alpha)^{60}\text{Ni} / ^{61}\text{Ni} / ^{61}\text{Cu} / ^{62}\text{Cu}$, $E=70$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ^{108}Sn 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- ^{108}Sb 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=109

No references found

A=110

^{110}Ru	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
^{110}Pd	2004R048	NUCLEAR REACTIONS $^{104,106,108,110}\text{Pd}(\text{d}, \text{d}')$, $E=13$ MeV; measured $\sigma(E, \theta)$. $^{104,106,108,110}\text{Pd}$ levels deduced $B(E2)$, deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
^{110}Cd	2005K032	NUCLEAR REACTIONS $^{110,111,112,114,116}\text{Cd}(\gamma, \gamma')$, $E \approx 2.7\text{-}4.1$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$, γ -ray polarization. $^{110,111,112,114,116}\text{Cd}$ deduced levels, J, π , excitation $B(M1)$, $B(E1)$. JOUR PRVCA 72 034302

A=111

^{111}Cd	2005K032	NUCLEAR REACTIONS $^{110,111,112,114,116}\text{Cd}(\gamma, \gamma')$, $E \approx 2.7\text{-}4.1$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$, γ -ray polarization. $^{110,111,112,114,116}\text{Cd}$ deduced levels, J, π , excitation $B(M1)$, $B(E1)$. JOUR PRVCA 72 034302
^{111}Sb	2005SH53	RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, $(\beta^- \text{n})$ [from $\text{U}(\text{p}, \text{F})$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
^{111}Te	2005SH53	RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, $(\beta^- \text{n})$ [from $\text{U}(\text{p}, \text{F})$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121

A=112

^{112}Ru	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=112 (*continued*)

^{112}Cd	2005K032	NUCLEAR REACTIONS $^{110,111,112,114,116}\text{Cd}(\gamma, \gamma')$, $E \approx 2.7\text{-}4.1$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$, γ -ray polarization. $^{110,111,112,114,116}\text{Cd}$ deduced levels, J , π , excitation $B(\text{M}1)$, $B(\text{E}1)$. JOUR PRVCA 72 034302
^{112}Sn	2005KU28	NUCLEAR REACTIONS $^{112}\text{Sn}(\text{n}, \text{n}'\gamma)$, $E=2.5\text{-}4.0$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, angular distributions, excitation functions, DSA. ^{112}Sn deduced levels, J , π , δ , $T_{1/2}$, $B(\text{M}1)$, $B(\text{E}2)$. JOUR PRVCA 72 034313
	2005KU37	NUCLEAR REACTIONS $^{112}\text{Sn}(\text{n}, \text{n}'\gamma)$, $E=2.5\text{-}4.0$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA, excitation functions, angular distributions. ^{112}Sn deduced levels, J , π , $T_{1/2}$. JOUR ZAANE 25 s01 443
	2005PYZZ	NUCLEAR REACTIONS $^{112}\text{Sn}(\gamma, \gamma')$, $E=3.8$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. ^{112}Sn level deduced $B(\text{E}1)$, decay width, two-phonon configuration. PREPRINT nucl-ex/0512013,12/8/2005

A=113

^{113}In	2005NA37	NUCLEAR REACTIONS $^{100}\text{Mo}(^{18}\text{O}, 4\text{np})$, $E=95$ MeV; $^{110}\text{Pd}(^7\text{Li}, 4\text{n})$, $E=36$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{113}In deduced high-spin levels, J , π , configurations, shape coexistence. Cranked mean-field calculations. JOUR PRVCA 72 044304
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A=114

^{114}Pd	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(\text{E}2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
^{114}Cd	2005K032	NUCLEAR REACTIONS $^{110,111,112,114,116}\text{Cd}(\gamma, \gamma')$, $E \approx 2.7\text{-}4.1$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$, γ -ray polarization. $^{110,111,112,114,116}\text{Cd}$ deduced levels, J , π , excitation $B(\text{M}1)$, $B(\text{E}1)$. JOUR PRVCA 72 034302

A=115

^{115}In	2004AG09	NUCLEAR REACTIONS $^{103}\text{Rh}(\text{n}, \text{n}')^{103\text{m}}\text{Rh}$, $E \approx 4.8$ MeV; $^{115}\text{In}(\text{n}, \text{n}')^{115\text{m}}\text{In}$, $E \approx 5$ MeV; ^{232}Th , $^{238}\text{U}(\text{n}, \text{F})$, $E \approx 5$ MeV; ^{24}Mg , ^{27}Al , $^{46,47,48}\text{Ti}$, $^{54,56}\text{Fe}$, ^{58}Ni , $^{64}\text{Zn}(\text{n}, \text{p})$, $E \approx 2\text{-}8$ MeV; ^{27}Al , $^{59}\text{Co}(\text{n}, \alpha)$, $E \approx 8.3$ MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63
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A=116

- ^{116}Pd 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ^{116}Ag 2005BA94 RADIOACTIVITY $^{116m}\text{Ag}(\text{IT})$, $^{116}\text{Ag}(\beta^-)$ [from $\text{U}(\text{p}, \text{F})$]; measured $E(\text{ce})$, $I(\text{ce})$, $E\gamma$, $I\gamma$. ^{116}Ag deduced levels, J , π , ICC, isomer $T_{1/2}$. ^{116}Cd deduced transitions. JOUR PRVCA 72 044306
- 2005RI19 RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J , π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
- ^{116}Cd 2005BA94 RADIOACTIVITY $^{116m}\text{Ag}(\text{IT})$, $^{116}\text{Ag}(\beta^-)$ [from $\text{U}(\text{p}, \text{F})$]; measured $E(\text{ce})$, $I(\text{ce})$, $E\gamma$, $I\gamma$. ^{116}Ag deduced levels, J , π , ICC, isomer $T_{1/2}$. ^{116}Cd deduced transitions. JOUR PRVCA 72 044306
- 2005K032 NUCLEAR REACTIONS $^{110,111,112,114,116}\text{Cd}(\gamma, \gamma')$, $E \approx 2.7\text{-}4.1$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$, γ -ray polarization. $^{110,111,112,114,116}\text{Cd}$ deduced levels, J , π , excitation $B(M1)$, $B(E1)$. JOUR PRVCA 72 034302
- 2005RI19 RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J , π . Three-phonon states discussed. JOUR ZAANE 25 s01 119

A=117

No references found

A=118

- ^{118}Ag 2005RI19 RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J , π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
- ^{118}Cd 2005RI19 RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J , π . Three-phonon states discussed. JOUR ZAANE 25 s01 119

A=119

- ^{119}In 2005GU32 NUCLEAR REACTIONS ^{122}Sn , $^{123}\text{Sb}(\text{polarized p}, \alpha)$, $E=24$ MeV; measured $E\alpha$, $\sigma(\theta)$, $A\gamma(\theta)$. ^{119}In , ^{120}Sn deduced homologous states features. JOUR PRVCA 72 044604

A=120

^{120}Ag	2005RI19	RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
^{120}Cd	2005RI19	RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
^{120}Sn	2005GU32	NUCLEAR REACTIONS ^{122}Sn , $^{123}\text{Sb}(\text{polarized p}, \alpha)$, $E=24$ MeV; measured $E\alpha$, $\sigma(\theta)$, $A\gamma(\theta)$. ^{119}In , ^{120}Sn deduced homologous states features. JOUR PRVCA 72 044604

A=121

No references found

A=122

^{122}Cd	2005BEZS	NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, $(^{126}\text{Cd}, ^{126}\text{Cd}')$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation $B(E2)$. REPT MLL 2004 Annual,P14,Behrens
^{122}Te	2005HA56	NUCLEAR REACTIONS $^{104}\text{Pd}(\text{p}, \gamma)$, $E(\text{cm})=2-8$ MeV; $^{118}\text{Sn}(\alpha, \gamma)$, $E(\text{cm})=10-11$ MeV; measured $E\gamma$, $I\gamma$, σ . Comparison with model predictions. JOUR JPGPE 31 S1417
^{122}Cs	2005KU34	NUCLEAR REACTIONS $^{107}\text{Ag}(^{19}\text{F}, 3\text{np})$, $E=93$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{122}Cs deduced levels, J, π , configurations. Comparison with model predictions. JOUR PRVCA 72 044319

A=123

^{123}I	2004GL10	NUCLEAR REACTIONS $^{124}\text{Te}(\text{p}, \text{n})$, $(\text{p}, 2\text{n})$, $E \approx 8-19$ MeV; measured thick-target yields. JOUR RAACA 92 951
	2006HA01	NUCLEAR REACTIONS $\text{Sn}(\alpha, \text{xn})^{123}\text{I} / ^{124}\text{I} / ^{125}\text{I} / ^{126}\text{I}$, $E=8-26$ MeV; $^{121}\text{Sb}(\alpha, \text{n})$, $(\alpha, 2\text{n})$, $E=8-26$ MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101
^{123}Cs	2005SI31	NUCLEAR REACTIONS $^{100}\text{Mo}(^{28}\text{Si}, 4\text{np})$, $E=130$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{123}Cs deduced high-spin levels, J, π , configurations. Total Routhian surface calculations. JOUR ZAANE 25 345

A=124

^{124}Ag	2005KA45	RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117
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A=124 (*continued*)

^{124}Cd	2005BEZS	NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, ($^{126}\text{Cd}, ^{126}\text{Cd}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation B(E2). REPT MLL 2004 Annual,P14,Behrens
	2005KA45	RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117
^{124}Sn	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
^{124}I	2004GL10	NUCLEAR REACTIONS $^{124}\text{Te}(p, n)$, ($p, 2n$), $E \approx 8\text{--}19$ MeV; measured thick-target yields. JOUR RAACA 92 951
	2006HA01	NUCLEAR REACTIONS $\text{Sn}(\alpha, xn)^{123}\text{I} / ^{124}\text{I} / ^{125}\text{I} / ^{126}\text{I}$, $E=8\text{--}26$ MeV; $^{121}\text{Sb}(\alpha, n)$, ($\alpha, 2n$), $E=8\text{--}26$ MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101
^{124}Cs	2005GU37	ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35
^{124}Ba	2005MA84	NUCLEAR REACTIONS $^{64}\text{Ni}(^{64}\text{Ni}, 3n)$, ($^{64}\text{Ni}, 4n$), $E=255\text{--}261$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{124,125}\text{Ba}$ deduced levels, J, π , octupole correlations. Euroball and Diamant arrays. JOUR JPGPE 31 S1729

A=125

^{125}Sn	2005J023	NUCLEAR REACTIONS $^2\text{H}(^{124}\text{Sn}, p)$, $E=4.5$ MeV / nucleon; measured $\sigma(\theta)$. ^{125}Sn levels deduced spectroscopic factors. DWBA analysis. JOUR ZAANE 25 s01 283
	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
^{125}Sb	2005JU12	NUCLEAR REACTIONS $^{124}\text{Sn}(^7\text{Li}, 2n\alpha)$, $E=37$ MeV; measured delayed $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$. ^{125}Sb deduced levels, J, π , configurations, isomeric states $T_{1/2}$, ICC. Level systematics in neighboring isotopes compared. JOUR JPGPE 31 S1899
^{125}Te	2004G059	RADIOACTIVITY $^{125m}\text{Te}(\text{IT})$; measured $T_{1/2}$, non-exponential decay features. JOUR BRSPE 68 1335
^{125}I	2006HA01	NUCLEAR REACTIONS $\text{Sn}(\alpha, xn)^{123}\text{I} / ^{124}\text{I} / ^{125}\text{I} / ^{126}\text{I}$, $E=8\text{--}26$ MeV; $^{121}\text{Sb}(\alpha, n)$, ($\alpha, 2n$), $E=8\text{--}26$ MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101
^{125}Ba	2005MA84	NUCLEAR REACTIONS $^{64}\text{Ni}(^{64}\text{Ni}, 3n)$, ($^{64}\text{Ni}, 4n$), $E=255\text{--}261$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{124,125}\text{Ba}$ deduced levels, J, π , octupole correlations. Euroball and Diamant arrays. JOUR JPGPE 31 S1729

A=126

^{126}Ag	2005KA45	RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117
^{126}Cd	2005KA45	RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117
^{126}Sn	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
	2005RA32	NUCLEAR REACTIONS $\text{C}(^{126}\text{Sn}, ^{126}\text{Sn}')$, $(^{128}\text{Sn}, ^{128}\text{Sn}')$, $(^{130}\text{Sn}, ^{130}\text{Sn}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{134}\text{Te}, ^{134}\text{Te}')$, $(^{136}\text{Te}, ^{136}\text{Te}')$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
^{126}I	2006HA01	NUCLEAR REACTIONS $\text{Sn}(\alpha, \text{xn})^{123}\text{I} / ^{124}\text{I} / ^{125}\text{I} / ^{126}\text{I}$, E=8-26 MeV; $^{121}\text{Sb}(\alpha, \text{n})$, $(\alpha, 2\text{n})$, E=8-26 MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101

A=127

^{127}Sn	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
^{127}Cs	2005GU37	ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35

A=128

^{128}Sn	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
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A=128 (continued)

- 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383

A=129

- ^{129}Sn 2005LE34 NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
- 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
- ^{129}Sb 2005YU07 NUCLEAR REACTIONS ^{50}Ti (^{129}Sb , $^{129}\text{Sb}'$), (^{129}Te , $^{129}\text{Te}'$), E=400 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{129}Te , ^{129}Sb deduced transitions B(E2). Clarion, Hyball arrays. JOUR ZAANE 25 s01 395
- ^{129}Te 2005YU07 NUCLEAR REACTIONS ^{50}Ti (^{129}Sb , $^{129}\text{Sb}'$), (^{129}Te , $^{129}\text{Te}'$), E=400 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{129}Te , ^{129}Sb deduced transitions B(E2). Clarion, Hyball arrays. JOUR ZAANE 25 s01 395

A=130

- ^{130}Sn 2005LE34 NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
- 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=130 (*continued*)

^{130}Te	2005AR25	RADIOACTIVITY $^{130}\text{Te}(2\beta^-)$; measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limit. JOUR PRLTA 95 142501
^{130}Xe	2005AR25	RADIOACTIVITY $^{130}\text{Te}(2\beta^-)$; measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limit. JOUR PRLTA 95 142501
^{130}Ba	2005GU37	ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35

A=131

^{131}Sn	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=132

^{132}Sn	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
	2005VA31	NUCLEAR REACTIONS $^{48}\text{Ti}(^{132}\text{Sn}, ^{132}\text{Sn}')$, $E=470\text{-}495\text{ MeV}$; $^{90}\text{Zr}(^{134}\text{Sn}, ^{134}\text{Sn}')$, $E=400\text{ MeV}$; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{132,134}\text{Sn}$ deduced transitions $B(E2)$. JOUR ZAANE 25 s01 391
^{132}Sb	2005ZA14	RADIOACTIVITY $^{132}\text{Sb}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{132}Te deduced levels, J , π . Comparisons with quasiparticle RPA calculations with density-dependent pairing. Clarion array. JOUR ZAANE 25 s01 389
^{132}Te	2005DA42	NUCLEAR REACTIONS $^{12}\text{C}(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{130}\text{Te}, ^{130}\text{Te}')$, $(^{126}\text{Te}, ^{126}\text{Te}')$, $(^{122}\text{Te}, ^{122}\text{Te}')$, $E=3\text{ MeV / nucleon}$; measured $E\gamma$, $I\gamma(\theta)$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g-factor. Recoil-in-vacuum technique. JOUR NIMBE 241 971

A=132 (continued)

- 2005GR25 NUCLEAR REACTIONS $^{64}\text{Ni}(^{132}\text{Sn}, \text{X})$, $(^{134}\text{Sn}, \text{X})$, $E=450\text{-}620$ MeV; measured fusion σ . $\text{C}(^{130}\text{Te}, ^{130}\text{Te}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $E=3$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g factor. $^{13}\text{C}(^{134}\text{Te}, ^{135}\text{Te})$, $E=550$ MeV; measured $E\gamma$, $I\gamma$. ^{135}Te level deduced J , π . JOUR JPGPE 31 S1639
- 2005RA32 NUCLEAR REACTIONS $\text{C}(^{126}\text{Sn}, ^{126}\text{Sn}')$, $(^{128}\text{Sn}, ^{128}\text{Sn}')$, $(^{130}\text{Sn}, ^{130}\text{Sn}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{134}\text{Te}, ^{134}\text{Te}')$, $(^{136}\text{Te}, ^{136}\text{Te}')$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation $B(E2)$. $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, $E=4.3$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J , π . JOUR ZAANE 25 s01 383
- 2005ST33 NUCLEAR REACTIONS $\text{C}(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{122}\text{Te}, ^{122}\text{Te}')$, $(^{126}\text{Te}, ^{126}\text{Te}')$, $(^{130}\text{Te}, ^{130}\text{Te}')$, $E=3$ MeV / nucleon; measured $E\gamma$, $I\gamma(\theta, \phi)$, (particle) γ -coin following projectile Coulomb excitation; deduced parameters. ^{132}Te level deduced g factor. Clarion, Hyball arrays, recoil-in-vacuum technique. JOUR ZAANE 25 s01 205
- 2005ZA14 RADIOACTIVITY $^{132}\text{Sb}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{132}Te deduced levels, J , π . Comparisons with quasiparticle RPA calculations with density-dependent pairing. Clarion array. JOUR ZAANE 25 s01 389
- ^{132}Ce 2005WI19 NUCLEAR REACTIONS $^{68}\text{Zn}(^{64}\text{Ni}, \text{X})$, $E=300, 400, 500$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin. ^{132}Ce deduced GDR parameters. JOUR JPGPE 31 S1973

A=133

- ^{133}Te 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- ^{133}Cs 2004GE20 RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005DA40 NUCLEAR MOMENTS ^{133}Cs ; measured hfs; deduced constants. JOUR EULEE 72 740
- ^{133}Ba 2004GE20 RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- ^{133}Nd 2005PE18 NUCLEAR REACTIONS $^{104}\text{Pd}(^{32}\text{S}, n2p)$, $E=135$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{133}Nd levels deduced $T_{1/2}$, $B(E2)$, decay-out mechanism for highly deformed rotational band. GASP array, recoil-distance method. JOUR PRVCA 72 031304

A=134

- ^{134}Sn 2005VA31 NUCLEAR REACTIONS $^{48}\text{Ti}(^{132}\text{Sn}, ^{132}\text{Sn}')$, E=470-495 MeV; $^{90}\text{Zr}(^{134}\text{Sn}, ^{134}\text{Sn}')$, E=400 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{132,134}\text{Sn}$ deduced transitions B(E2). JOUR ZAANE 25 s01 391
- ^{134}Sb 2005SH53 RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, (β^-n) [from U(p, F), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
- ^{134}Te 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- 2005RA32 NUCLEAR REACTIONS C($^{126}\text{Sn}, ^{126}\text{Sn}'$), ($^{128}\text{Sn}, ^{128}\text{Sn}'$), ($^{130}\text{Sn}, ^{130}\text{Sn}'$), ($^{132}\text{Te}, ^{132}\text{Te}'$), ($^{134}\text{Te}, ^{134}\text{Te}'$), ($^{136}\text{Te}, ^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- ^{134}Pr 2005T022 NUCLEAR REACTIONS $^{119}\text{Sn}(^{19}\text{F}, 4n)$, E=83, 87 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{134}Pr levels deduced $T_{1/2}$, B(M1), B(E2), mixing ratios. Euroball IV array, recoil-distance and Doppler-shift attenuation techniques. JOUR ZAANE 25 s01 447

A=135

- ^{135}Sn 2005K040 RADIOACTIVITY $^{135}\text{Sn}(\beta^-)$ [from $^{235}\text{U}(n, F)$, E=thermal]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin following decay of mass-separated sources. ^{135}Sb deduced levels, J, π , $T_{1/2}$, B(M1), configurations. Comparison with shell model calculations. JOUR ZAANE 25 s01 123
- 2005SH53 RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, (β^-n) [from U(p, F), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
- ^{135}Sb 2005K040 RADIOACTIVITY $^{135}\text{Sn}(\beta^-)$ [from $^{235}\text{U}(n, F)$, E=thermal]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin following decay of mass-separated sources. ^{135}Sb deduced levels, J, π , $T_{1/2}$, B(M1), configurations. Comparison with shell model calculations. JOUR ZAANE 25 s01 123
- 2005SH53 RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, (β^-n) [from U(p, F), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
- ^{135}Te 2005GR25 NUCLEAR REACTIONS $^{64}\text{Ni}(^{132}\text{Sn}, X)$, ($^{134}\text{Sn}, X$), E=450-620 MeV; measured fusion σ . C($^{130}\text{Te}, ^{130}\text{Te}'$), ($^{132}\text{Te}, ^{132}\text{Te}'$), E=3 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g factor. $^{13}\text{C}(^{134}\text{Te}, ^{135}\text{Te})$, E=550 MeV; measured $E\gamma$, $I\gamma$. ^{135}Te level deduced J, π . JOUR JPGPE 31 S1639

A=135 (continued)

- 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- ^{135}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, F)^{135}\text{Xe}$ / ^{137}Xe / ^{138}Xe / ^{139}Xe / ^{140}Xe / ^{141}Xe / ^{142}Xe / ^{89}Kr / ^{91}Kr / ^{92}Kr / ^{93}Kr , E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, F)^{135}\text{Xe}$ / ^{137}Xe / ^{138}Xe / ^{139}Xe / ^{140}Xe / ^{141}Xe / ^{142}Xe / ^{89}Kr / ^{91}Kr / ^{92}Kr / ^{93}Kr , E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475

A=136

- ^{136}Te 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- ^{136}Xe 2005GAZU RADIOACTIVITY $^{136}\text{Xe}(2\beta^-)$; measured $0\nu\beta\beta$ -decay and $2\nu\beta\beta$ -decay $T_{1/2}$ lower limits. PREPRINT nucl-ex/0510071,10/26/2005
- ^{136}Ba 2005GAZU RADIOACTIVITY $^{136}\text{Xe}(2\beta^-)$; measured $0\nu\beta\beta$ -decay and $2\nu\beta\beta$ -decay $T_{1/2}$ lower limits. PREPRINT nucl-ex/0510071,10/26/2005
- ^{136}Ce 2005LA29 NUCLEAR REACTIONS $^{124}\text{Sn}(^{16}\text{O}, 4n)$, E=80 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, γ -ray polarization, DSA. ^{136}Ce deduced high-spin levels, I, π , $T_{1/2}$, B(M1), B(E2), transition quadrupole moments. $^{124}\text{Sn}(^{16}\text{O}, 4n)$, E=65-98 MeV; measured $E\gamma$, excitation functions. Comparisons with cranking model predictions. JOUR NUPAB 761 1

A=137

- ^{137}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, F)^{135}\text{Xe}$ / ^{137}Xe / ^{138}Xe / ^{139}Xe / ^{140}Xe / ^{141}Xe / ^{142}Xe / ^{89}Kr / ^{91}Kr / ^{92}Kr / ^{93}Kr , E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005F017 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465

A=137 (*continued*)

- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution
parameters. JOUR YAFIA 68 1475
- 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array,
time-gated triple-coincidence method. JOUR ZAANE 25 s01 463

A=138

- ^{138}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution
parameters. Comparison with results from other targets. JOUR
BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution
parameters. JOUR YAFIA 68 1475

A=139

- ^{139}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution
parameters. Comparison with results from other targets. JOUR
BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution
parameters. JOUR YAFIA 68 1475

A=140

- ^{140}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution
parameters. Comparison with results from other targets. JOUR
BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution
parameters. JOUR YAFIA 68 1475

A=140 (continued)

- ^{140}Eu 2005TA31 RADIOACTIVITY ^{140m}Eu , ^{142m}Tb , $^{144m}\text{Ho(IT)}$ [from $^{54}\text{Fe}(^{92}\text{Mo}, \text{X})$]; measured X-ray spectra, $E\gamma$, $\gamma\gamma$ -coin, $E(\text{ce})$, $T_{1/2}$. ^{140}Eu , ^{142}Tb , ^{144}Ho dlevels, J, π , configurations. Mass-separated sources. JOUR ZAANE 25 s01 151
- ^{140}Dy 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185

A=141

- ^{141}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ^{141}Tb 2004ME25 NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, p\alpha)$, $E=240$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin. ^{141}Tb deduced high-spin levels, J, π , configurations. GASP, ISIS arrays, cranking model analysis. JOUR BJPHE 34 1002
- ^{141}Ho 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185

A=142

- ^{142}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ^{142}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{142}Gd 2006DR01 NUCLEAR REACTIONS $^{99}\text{Ru}(^{48}\text{Ti}, 3n2p)$, $E=240$ MeV; measured $E\gamma$, $I\gamma$, γ -ray linear polarization. JOUR NIMAE 556 182

A=142 (*continued*)

- ¹⁴²Tb 2005RI17 NUCLEAR REACTIONS ⁹²Mo(⁵⁴Fe, xnypα), E=245 MeV; measured prompt and delayed Eγ, Iγ, γγ-, (recoil)γ-coin. ¹⁴²Tb, ¹⁶³Dy deduced transitions. ¹⁴³Dy deduced isomeric state T_{1/2}. Jurogam array. JOUR JPGPE 31 S1949
- 2005TA31 RADIOACTIVITY ^{140m}Eu, ^{142m}Tb, ^{144m}Ho(IT) [from ⁵⁴Fe(⁹²Mo, X)]; measured X-ray spectra, Eγ, γγ-coin, E(ce), T_{1/2}. ¹⁴⁰Eu, ¹⁴²Tb, ¹⁴⁴Ho dlevels, J, π, configurations. Mass-separated sources. JOUR ZAANE 25 s01 151

A=143

- ¹⁴³Ba 2005F017 RADIOACTIVITY ²⁵²Cf(SF); measured Eγ, Iγ, γγ-coin. ⁹⁸Sr, ^{102,104}Zr, ¹³⁷Xe, ¹⁴³Ba, ¹⁵²Ce levels deduced T_{1/2}. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
- ¹⁴³Nd 2005R035 NUCLEAR MOMENTS ^{142,143,144,145,146,148,150}Nd; measured hfs, isotope shifts. JOUR CJPFA 83 841
- ¹⁴³Dy 2005RI17 NUCLEAR REACTIONS ⁹²Mo(⁵⁴Fe, xnypα), E=245 MeV; measured prompt and delayed Eγ, Iγ, γγ-, (recoil)γ-coin. ¹⁴²Tb, ¹⁶³Dy deduced transitions. ¹⁴³Dy deduced isomeric state T_{1/2}. Jurogam array. JOUR JPGPE 31 S1949
- ¹⁴³Er 2005BI24 RADIOACTIVITY ¹⁴¹Ho, ^{144,145,146}Tm(p) [from ⁹²Mo(⁵⁴Fe, xnyp) and ⁹²Mo(⁵⁸Ni, xnyp)]; measured Ep, T_{1/2}; deduced branching ratios. ¹⁴¹Ho, ¹⁴⁰Dy, ^{145,146}Tm, ^{144,145}Er deduced levels, configurations. JOUR NIMBE 241 185
- 2005GR32 RADIOACTIVITY ¹⁴⁴Tm(p) [from ⁵⁸Ni(⁹²Mo, p5n), E=340 MeV]; measured proton spectra, T_{1/2}; deduced fine structure. JOUR ZAANE 25 s01 145

A=144

- ¹⁴⁴Ba 2005SH49 RADIOACTIVITY ²⁵²Cf(SF); measured Doppler-shifted Eγ, Iγ, γγ-, (fragment)γ-coin. ¹⁴⁴Ba deduced transitions T_{1/2}, B(E2), transition dipole, quadrupole, and octupole moments for alternating-parity band. Gammasphere array, cluster-model analysis. JOUR ZAANE 25 387
- ¹⁴⁴Nd 2005R035 NUCLEAR MOMENTS ^{142,143,144,145,146,148,150}Nd; measured hfs, isotope shifts. JOUR CJPFA 83 841
- ¹⁴⁴Ho 2005TA31 RADIOACTIVITY ^{140m}Eu, ^{142m}Tb, ^{144m}Ho(IT) [from ⁵⁴Fe(⁹²Mo, X)]; measured X-ray spectra, Eγ, γγ-coin, E(ce), T_{1/2}. ¹⁴⁰Eu, ¹⁴²Tb, ¹⁴⁴Ho dlevels, J, π, configurations. Mass-separated sources. JOUR ZAANE 25 s01 151
- ¹⁴⁴Er 2005BI24 RADIOACTIVITY ¹⁴¹Ho, ^{144,145,146}Tm(p) [from ⁹²Mo(⁵⁴Fe, xnyp) and ⁹²Mo(⁵⁸Ni, xnyp)]; measured Ep, T_{1/2}; deduced branching ratios. ¹⁴¹Ho, ¹⁴⁰Dy, ^{145,146}Tm, ^{144,145}Er deduced levels, configurations. JOUR NIMBE 241 185
- 2005SE26 RADIOACTIVITY ¹⁴⁵Tm(p) [from ⁵⁸Ni(⁹²Mo, 4np)]; measured Ep, Eγ, pγ-coin. JOUR ZAANE 25 s01 159

A=144 (*continued*)

- ^{144}Tm 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185
- 2005GR32 RADIOACTIVITY $^{144}\text{Tm(p)}$ [from $^{58}\text{Ni}(^{92}\text{Mo}, \text{p5n})$, $E=340$ MeV]; measured proton spectra, $T_{1/2}$; deduced fine structure. JOUR ZAANE 25 s01 145

A=145

- ^{145}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{145}Er 2005BB02 RADIOACTIVITY $^{146}\text{Tm(p)}$ [from $^{58}\text{Ni}(^{92}\text{Mo}, \text{p3n})$, $E=297$ MeV]; measured proton spectra, $T_{1/2}$; deduced fine structure, decay branching ratios. ^{145}Er deduced levels, configurations. JOUR ZAANE 25 s01 149
- 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185
- 2005R040 RADIOACTIVITY $^{146}\text{Tm(p)}$ [from $^{58}\text{Ni}(^{92}\text{Mo}, \text{X})$]; measured E_γ , E_p , $T_{1/2}$ following proton decay from ground and excited states. ^{146}Tm , ^{145}Er deduced levels, J , π , configurations. JOUR ZAANE 25 s01 155
- ^{145}Tm 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185
- 2005SE26 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2\text{np})$, $E=512$ MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 3\text{np})$, $E=460$ MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 4\text{np})$, $E=417$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -, (recoil) γ -coin. $^{145,146,147}\text{Tm}$ deduced levels, J , π , proton-decay features. Gammasphere array, recoil-decay tagging. Comparison with Particle Rotor model predictions. JOUR ZAANE 25 s01 159
- 2005SE26 RADIOACTIVITY $^{145}\text{Tm(p)}$ [from $^{58}\text{Ni}(^{92}\text{Mo}, 4\text{np})$]; measured E_p , E_γ , $p\gamma$ -coin. JOUR ZAANE 25 s01 159

A=146

- ^{146}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{146}Tm 2005BB02 RADIOACTIVITY $^{146}\text{Tm(p)}$ [from $^{58}\text{Ni}(^{92}\text{Mo}, \text{p3n})$, $E=297$ MeV]; measured proton spectra, $T_{1/2}$; deduced fine structure, decay branching ratios. ^{145}Er deduced levels, configurations. JOUR ZAANE 25 s01 149
- 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185

A=146 (*continued*)

- 2005R040 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 3\text{np})$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{146}Tm deduced levels, J, π . Gammasphere array, recoil-decay tagging. JOUR ZAANE 25 s01 155
- 2005R040 RADIOACTIVITY $^{146}\text{Tm}(\text{p})$ [from $^{58}\text{Ni}(^{92}\text{Mo}, \text{X})$]; measured $E\gamma$, $E\text{p}$, $T_{1/2}$ following proton decay from ground and excited states. ^{146}Tm , ^{145}Er deduced levels, J, π , configurations. JOUR ZAANE 25 s01 155
- 2005SE26 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2\text{np})$, E=512 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 3\text{np})$, E=460 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 4\text{np})$, E=417 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{145,146,147}\text{Tm}$ deduced levels, J, π , proton-decay features. Gammasphere array, recoil-decay tagging. Comparison with Particle Rotor model predictions. JOUR ZAANE 25 s01 159

A=147

- ^{147}Dy 2005GE10 ATOMIC MASSES $^{147,147m}\text{Dy}$; measured masses for ground and isomeric states. Schottky mass spectrometry. JOUR JPGPE 31 S1779
- ^{147}Tm 2005SE26 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2\text{np})$, E=512 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 3\text{np})$, E=460 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 4\text{np})$, E=417 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{145,146,147}\text{Tm}$ deduced levels, J, π , proton-decay features. Gammasphere array, recoil-decay tagging. Comparison with Particle Rotor model predictions. JOUR ZAANE 25 s01 159

A=148

- ^{148}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{148}Gd 2005KE07 NUCLEAR REACTIONS W, Ta, Au(p, X) ^{148}Gd , E=600, 800 MeV; measured cumulative production σ . Comparison with previous results, model predictions. JOUR NUPAB 760 225

A=149

No references found

A=150

- ^{150}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841

A=151

No references found

A=152

^{152}Ce	2005F017	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
^{152}Sm	2004KU35	RADIOACTIVITY ^{238}Pu , $^{226}\text{Ra}(\alpha)$; $^{152}\text{Eu}(\text{EC})$; measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358
	2005GA47	NUCLEAR REACTIONS $^{150}\text{Nd}(\alpha, 2n)$, $E=22.5$ MeV; $^{152}\text{Sm}(n, n')$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{152}Sm deduced levels, J , π , octupole and hexadecapole bands. JOUR JPGPE 31 S1855
	2005WI20	RADIOACTIVITY $^{26}\text{Na}(\beta^-)$; $^{152}\text{Eu}(\beta^-)$, (EC); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{152}Sm level deduced $T_{1/2}$. JOUR JPGPE 31 S1979
^{152}Eu	2004GE20	RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
	2004KU35	RADIOACTIVITY ^{238}Pu , $^{226}\text{Ra}(\alpha)$; $^{152}\text{Eu}(\text{EC})$; measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358
	2005WI20	RADIOACTIVITY $^{26}\text{Na}(\beta^-)$; $^{152}\text{Eu}(\beta^-)$, (EC); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{152}Sm level deduced $T_{1/2}$. JOUR JPGPE 31 S1979
^{152}Gd	2004GE20	RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
	2005WI20	RADIOACTIVITY $^{26}\text{Na}(\beta^-)$; $^{152}\text{Eu}(\beta^-)$, (EC); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{152}Sm level deduced $T_{1/2}$. JOUR JPGPE 31 S1979

A=153

No references found

A=154

No references found

A=155

^{155}Sm	2004GE20	RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
	2005RA33	RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin; deduced log ft. ^{155}Eu deduced levels, J , π , β -feeding intensities. JOUR BJPHE 35 839

A=155 (*continued*)

- ¹⁵⁵Eu 2004GE20 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)];⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured γ -ray angular correlations. ¹⁵⁵Eu, ⁶⁰Ni, ¹³³Cs, ¹⁵²Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005RA33 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)];⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured E γ , I γ , $\gamma\gamma$ -coin; deduced log ft. ¹⁵⁵Eu deduced levels, J, π , β -feeding intensities. JOUR BJPHE 35 839

A=156

No references found

A=157

- ¹⁵⁷Er 2005RI16 NUCLEAR REACTIONS ¹¹⁴Cd(⁴⁸Ca, 5n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵⁷Er deduced high-spin levels, J, π , band termination features. Gammasphere array. JOUR JPGPE 31 S1735
- ¹⁵⁷Lu 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured Ep, T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=158

- ¹⁵⁸Gd 2005ME19 NUCLEAR REACTIONS ¹⁶⁰Gd, ¹⁶⁴Dy, ¹⁷⁰Er, ¹⁷⁸Hf, ¹⁸⁶W, ¹⁹²Os(p, t), E=25 MeV; measured triton spectra, $\sigma(\theta)$. ¹⁵⁸Gd, ¹⁶²Dy, ¹⁶⁸Er, ¹⁷⁶Hf, ¹⁸⁴W, ¹⁹⁰Os deduced 0⁺ level energies. JOUR JPGPE 31 S1399
- 2005MI28 NUCLEAR REACTIONS ¹⁵⁸Gd(X-ray, X-ray), E $\approx$ 79.5 keV; measured delayed X-ray spectrum. ¹⁵⁸Gd deduced excited state energy, T_{1/2}. Synchrotron radiation, comparison with previous results. JOUR JUPSA 74 3122

A=159

No references found

A=160

- ¹⁶⁰Tm 2005LA32 NUCLEAR REACTIONS ¹³⁰Te(³⁵Cl, 5n), E=170 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁰Tm deduced high-spin levels, J, π , configurations. Euroball array. JOUR PRVCA 72 057303

A=160 (continued)

- ¹⁶⁰Yb 2005BA88 NUCLEAR REACTIONS ²⁰⁸Pb(p, γ), E=11.9 MeV; measured Eγ, Iγ. ¹⁴⁷Sm(¹⁶O, 3n), E=73 MeV; measured Eγ, Iγ, γγ-coin. ¹⁶⁰Yb deduced high-spin levels, J, π. Afrodite array. JOUR JPGPE 31 S1747

A=161

- ¹⁶¹Yb 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed Eγ, Iγ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ¹⁶¹Ta 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured Eα, Eγ, αγ-coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured Ep, T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=162

- ¹⁶²Gd 2005J024 RADIOACTIVITY ²⁵²Cf(SF); measured Eγ, Iγ, γγ-coin. ^{162,164}Gd deduced levels, J, π. Gammasphere array, level systematics in neighboring nuclides discussed. JOUR ZAANE 25 s01 467
- ¹⁶²Dy 2005ME19 NUCLEAR REACTIONS ¹⁶⁰Gd, ¹⁶⁴Dy, ¹⁷⁰Er, ¹⁷⁸Hf, ¹⁸⁶W, ¹⁹²Os(p, t), E=25 MeV; measured triton spectra, σ(θ). ¹⁵⁸Gd, ¹⁶²Dy, ¹⁶⁸Er, ¹⁷⁶Hf, ¹⁸⁴W, ¹⁹⁰Os deduced 0⁺ level energies. JOUR JPGPE 31 S1399
- ¹⁶²Tm 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed Eγ, Iγ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ¹⁶²Yb 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed Eγ, Iγ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=162 (continued)

- ^{162}Lu 2005DU23 NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ^{162}Hf 2005DU23 NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=163

- ^{163}Dy 2005RI17 NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnyp}\alpha)$, $E=245$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{142}Tb , ^{163}Dy deduced transitions. ^{143}Dy deduced isomeric state $T_{1/2}$. Jurogam array. JOUR JPGPE 31 S1949
- ^{163}Er 2005LE35 NUCLEAR REACTIONS $^{150}\text{Nd}(^{18}\text{O}, 5n)$, $E=87, 93$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{163}Er deduced quasi-continuum high-spin spectra, rotational bands excitation energy, compound and rotational damping widths vs K-quantum number, order-to-chaos transition features. Euroball array, comparison with model predictions. JOUR PRVCA 72 034307
- ^{163}Yb 2005DU23 NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ^{163}Re 2005SC22 RADIOACTIVITY $^{167,167m,169,169m}\text{Ir}$, $^{165,165m}\text{Re}$, $^{161}\text{Ta}(\alpha)$ [from $^{92}\text{Mo}(^{78}\text{Kr}, 2np)$ and $^{112}\text{Sn}(^{58}\text{Ni}, p)$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$; deduced spectroscopic factors. $^{167,167m}\text{Ir}(p)$ [from $^{112}\text{Sn}(^{58}\text{Ni}, 2np)$]; measured E_p , $T_{1/2}$; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=164

- ^{164}Gd 2005J024 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{162,164}\text{Gd}$ deduced levels, J , π . Gammasphere array, level systematics in neighboring nuclides discussed. JOUR ZAANE 25 s01 467

A=165

- ^{165}Er 2004BE58 NUCLEAR REACTIONS $^{165}\text{Ho}(\text{p}, \text{n})$, $E \approx 8\text{-}18$ MeV; measured excitation function; deduced thick-target yield. Activation technique. JOUR RAACA 92 219
- ^{165}Re 2005SC22 RADIOACTIVITY $^{167,167m,169,169m}\text{Ir}$, $^{165,165m}\text{Re}$, $^{161}\text{Ta}(\alpha)$ [from $^{92}\text{Mo}(^{78}\text{Kr}, 2\text{np})$ and $^{112}\text{Sn}(^{58}\text{Ni}, \text{p})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$; deduced spectroscopic factors. $^{167,167m}\text{Ir}(\text{p})$ [from $^{112}\text{Sn}(^{58}\text{Ni}, 2\text{np})$]; measured $E\text{p}$, $T_{1/2}$; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=166

- ^{166}Er 2005BU37 NUCLEAR REACTIONS $^{164}\text{Dy}(^7\text{Li}, \text{xnp})$, $E=55$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin. ^{167}Tm deduced high-spin levels, J , π , configurations. ^{166}Er deduced rotational band features. GASP, ISIS arrays. JOUR JPGPE 31 S1827
- ^{166}Os 2005SC22 RADIOACTIVITY $^{167,167m,169,169m}\text{Ir}$, $^{165,165m}\text{Re}$, $^{161}\text{Ta}(\alpha)$ [from $^{92}\text{Mo}(^{78}\text{Kr}, 2\text{np})$ and $^{112}\text{Sn}(^{58}\text{Ni}, \text{p})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$; deduced spectroscopic factors. $^{167,167m}\text{Ir}(\text{p})$ [from $^{112}\text{Sn}(^{58}\text{Ni}, 2\text{np})$]; measured $E\text{p}$, $T_{1/2}$; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=167

- ^{167}Tm 2005BU37 NUCLEAR REACTIONS $^{164}\text{Dy}(^7\text{Li}, \text{xnp})$, $E=55$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin. ^{167}Tm deduced high-spin levels, J , π , configurations. ^{166}Er deduced rotational band features. GASP, ISIS arrays. JOUR JPGPE 31 S1827
- ^{167}Lu 2005GU28 NUCLEAR REACTIONS $^{123}\text{Sb}(^{48}\text{Ca}, 4\text{n})$, $E=203$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{167}Lu deduced triaxial superdeformed band transition quadrupole moment. Gammasphere array. JOUR JPGPE 31 S1873
- ^{167}Hf 2005DU23 NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ^{167}Ir 2005SC22 NUCLEAR REACTIONS $^{92}\text{Mo}(^{78}\text{Kr}, 2\text{np})$, $E=360$ MeV; $^{112}\text{Sn}(^{58}\text{Ni}, \text{p})$, $E=266$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{167,169}\text{Ir}$ deduced transitions. Recoil-decay tagging, Jurogam array. JOUR JPGPE 31 S1719
- 2005SC22 RADIOACTIVITY $^{167,167m,169,169m}\text{Ir}$, $^{165,165m}\text{Re}$, $^{161}\text{Ta}(\alpha)$ [from $^{92}\text{Mo}(^{78}\text{Kr}, 2\text{np})$ and $^{112}\text{Sn}(^{58}\text{Ni}, \text{p})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$; deduced spectroscopic factors. $^{167,167m}\text{Ir}(\text{p})$ [from $^{112}\text{Sn}(^{58}\text{Ni}, 2\text{np})$]; measured $E\text{p}$, $T_{1/2}$; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=168

^{168}Er	2005BUZZ	NUCLEAR REACTIONS $^{170}\text{Er}(\text{p}, \text{t})$, $E=25.0$ MeV; measured $E\gamma$, $I\gamma$, $\sigma(\theta)$. ^{168}Er deduced 0^+ states energies. REPT MLL 2004 Annual,P16,Bucurescu
	2005ME19	NUCLEAR REACTIONS ^{160}Gd , ^{164}Dy , ^{170}Er , ^{178}Hf , ^{186}W , $^{192}\text{Os}(\text{p}, \text{t})$, $E=25$ MeV; measured triton spectra, $\sigma(\theta)$. ^{158}Gd , ^{162}Dy , ^{168}Er , ^{176}Hf , ^{184}W , ^{190}Os deduced 0^+ level energies. JOUR JPGPE 31 S1399
^{168}Lu	2005DU23	NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
	2005DU23	NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=169

^{169}Ir	2005SC22	NUCLEAR REACTIONS $^{92}\text{Mo}(^{78}\text{Kr}, 2\text{np})$, $E=360$ MeV; $^{112}\text{Sn}(^{58}\text{Ni}, \text{p})$, $E=266$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{167,169}\text{Ir}$ deduced transitions. Recoil-decay tagging, Jurogam array. JOUR JPGPE 31 S1719
	2005SC22	RADIOACTIVITY $^{167,167m,169,169m}\text{Ir}$, $^{165,165m}\text{Re}$, $^{161}\text{Ta}(\alpha)$ [from $^{92}\text{Mo}(^{78}\text{Kr}, 2\text{np})$ and $^{112}\text{Sn}(^{58}\text{Ni}, \text{p})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$; deduced spectroscopic factors. $^{167,167m}\text{Ir}(\text{p})$ [from $^{112}\text{Sn}(^{58}\text{Ni}, 2\text{np})$]; measured $E\text{p}$, $T_{1/2}$; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719
^{169}Pt	2005J018	NUCLEAR REACTIONS $\text{Sn}(^{58}\text{Ni}, \text{xn})^{169}\text{Pt} / ^{170}\text{Pt} / ^{171}\text{Pt} / ^{172}\text{Pt} / ^{173}\text{Pt}$, $E=266$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{169,170,171,172,173}\text{Pt}$ deduced levels, J , π . Recoil-decay tagging. JOUR JPGPE 31 S1715

A=170

^{170}Pt	2005J018	NUCLEAR REACTIONS $\text{Sn}(^{58}\text{Ni}, \text{xn})^{169}\text{Pt} / ^{170}\text{Pt} / ^{171}\text{Pt} / ^{172}\text{Pt} / ^{173}\text{Pt}$, $E=266$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{169,170,171,172,173}\text{Pt}$ deduced levels, J , π . Recoil-decay tagging. JOUR JPGPE 31 S1715
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A=171

^{171}Yb	2005AG15	NUCLEAR REACTIONS ^{57}Fe , $^{171}\text{Yb}(^3\text{He}, ^3\text{He}')$, E=38-45 MeV; ^{117}Sn , $^{172}\text{Yb}(^3\text{He}, \alpha)$, E=38-45 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin; deduced radiative strength functions. JOUR NIMBE 241 180
^{171}Pt	2005J018	NUCLEAR REACTIONS $\text{Sn}(^{58}\text{Ni}, \text{xn})^{169}\text{Pt} / ^{170}\text{Pt} / ^{171}\text{Pt} / ^{172}\text{Pt} / ^{173}\text{Pt}$, E=266 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{169,170,171,172,173}\text{Pt}$ deduced levels, J, π . Recoil-decay tagging. JOUR JPGPE 31 S1715

A=172

^{172}Yb	2005VE07	NUCLEAR REACTIONS $^{170}\text{Er}(^7\text{Li}, 3\text{np})$, $(^7\text{Li}, 4\text{np})$, $(^7\text{Li}, 3\text{nd})$, $(^7\text{Li}, 2\text{nt})$, E=51 MeV; measured $E\gamma$, $I\gamma$, (charged particle) γ -coin. $^{172,173}\text{Yb}$ deduced high-spin levels, J, π , configurations, absence of a static pair field. GASP, ISIS arrays. JOUR ZAANE 26 19
^{172}Hf	2005KA52	NUCLEAR REACTIONS $^{177}\text{Hf}(\text{n}, \gamma)$, E=thermal, resonance; $^{178}\text{Hf}(\text{n}, \text{n}'\gamma)$, E > 3 MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179\text{m}}\text{Hf} / ^{178\text{m}}\text{Hf} / ^{177\text{m}}\text{Lu} / ^{178}\text{W} / ^{175}\text{Hf} / ^{172}\text{Hf} / ^{173}\text{Lu}$, E=650 MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2\text{n})$, E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
^{172}Pt	2005J018	NUCLEAR REACTIONS $\text{Sn}(^{58}\text{Ni}, \text{xn})^{169}\text{Pt} / ^{170}\text{Pt} / ^{171}\text{Pt} / ^{172}\text{Pt} / ^{173}\text{Pt}$, E=266 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{169,170,171,172,173}\text{Pt}$ deduced levels, J, π . Recoil-decay tagging. JOUR JPGPE 31 S1715

A=173

^{173}Yb	2005TE04	NUCLEAR REACTIONS $^{172,173}\text{Yb}(\text{n}, \gamma)$, E=resonance; measured $E\gamma$, $I\gamma$, capture yields. ^{173}Yb deduced resonance energies, J, π . $^{173,174}\text{Yb}$ deduced levels, J, π . JOUR NUPAB 763 31
	2005VE07	NUCLEAR REACTIONS $^{170}\text{Er}(^7\text{Li}, 3\text{np})$, $(^7\text{Li}, 4\text{np})$, $(^7\text{Li}, 3\text{nd})$, $(^7\text{Li}, 2\text{nt})$, E=51 MeV; measured $E\gamma$, $I\gamma$, (charged particle) γ -coin. $^{172,173}\text{Yb}$ deduced high-spin levels, J, π , configurations, absence of a static pair field. GASP, ISIS arrays. JOUR ZAANE 26 19
^{173}Lu	2005KA52	NUCLEAR REACTIONS $^{177}\text{Hf}(\text{n}, \gamma)$, E=thermal, resonance; $^{178}\text{Hf}(\text{n}, \text{n}'\gamma)$, E > 3 MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179\text{m}}\text{Hf} / ^{178\text{m}}\text{Hf} / ^{177\text{m}}\text{Lu} / ^{178}\text{W} / ^{175}\text{Hf} / ^{172}\text{Hf} / ^{173}\text{Lu}$, E=650 MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2\text{n})$, E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
^{173}Ir	2005CA43	NUCLEAR REACTIONS $^{92}\text{Mo}(^{84}\text{Sr}, \text{n}2\text{p})$, $(^{84}\text{Sr}, 3\text{p})$, $(^{84}\text{Sr}, 2\text{np})$, $^{104}\text{Ru}(^{84}\text{Kr}, 2\text{np})$, $^{90}\text{Zr}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E not given; $^{92}\text{Mo}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E=385 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{179}Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=173 (continued)

^{173}Pt	2005CA43	NUCLEAR REACTIONS $^{92}\text{Mo}(^{84}\text{Sr}, \text{n}2\text{p})$, $(^{84}\text{Sr}, 3\text{p})$, $(^{84}\text{Sr}, 2\text{np})$, $^{104}\text{Ru}(^{84}\text{Kr}, 2\text{np})$, $^{90}\text{Zr}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E not given; $^{92}\text{Mo}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E=385 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{179}Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
	2005J018	NUCLEAR REACTIONS $\text{Sn}(^{58}\text{Ni}, \text{xn})^{169}\text{Pt}$ / ^{170}Pt / ^{171}Pt / ^{172}Pt / ^{173}Pt , E=266 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{169,170,171,172,173}\text{Pt}$ deduced levels, J, π . Recoil-decay tagging. JOUR JPGPE 31 S1715
^{173}Au	2005CA43	NUCLEAR REACTIONS $^{92}\text{Mo}(^{84}\text{Sr}, \text{n}2\text{p})$, $(^{84}\text{Sr}, 3\text{p})$, $(^{84}\text{Sr}, 2\text{np})$, $^{104}\text{Ru}(^{84}\text{Kr}, 2\text{np})$, $^{90}\text{Zr}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E not given; $^{92}\text{Mo}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E=385 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{179}Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=174

^{174}Tm	2005CH67	RADIOACTIVITY $^{174}\text{Tm}(\text{IT})$ [from $\text{Ta}(\text{p}, \text{X})$, E=500 MeV]; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources; deduced $\text{T}_{1/2}$. Discussed K-hindrance and Nilsson configuration of new level. JOUR ZAANE 25 s01 125
^{174}Yb	2005TE04	NUCLEAR REACTIONS $^{172,173}\text{Yb}(\text{n}, \gamma)$, E=resonance; measured $\text{E}\gamma$, $\text{I}\gamma$, capture yields. ^{173}Yb deduced resonance energies, J, π . $^{173,174}\text{Yb}$ deduced levels, J, π . JOUR NUPAB 763 31
^{174}Re	2005ZH32	NUCLEAR REACTIONS $^{152}\text{Sm}(^{27}\text{Al}, 5\text{n})$, E=125, 132, 140 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin; deduced excitation functions. ^{174}Re deduced high-spin levels, J, π , configurations, signature inversion. Level systematics in neighboring nuclides discussed. JOUR CPLEE 22 2788

A=175

^{175}Yb	2005NC01	NUCLEAR REACTIONS $^{176}\text{Yb}(^{136}\text{Xe}, \text{X})^{175}\text{Yb}$ / ^{176}Yb / ^{177}Yb , E=750 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin. $^{175,176,177}\text{Yb}$ deduced high-spin levels, J, π , configurations, gK-gR. Afrodite array. JOUR ZAANE 26 265
^{175}Hf	2005KA52	NUCLEAR REACTIONS $^{177}\text{Hf}(\text{n}, \gamma)$, E=thermal, resonance; $^{178}\text{Hf}(\text{n}, \text{n}'\gamma)$, E > 3 MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179\text{m}}\text{Hf}$ / $^{178\text{m}}\text{Hf}$ / $^{177\text{m}}\text{Lu}$ / ^{178}W / ^{175}Hf / ^{172}Hf / ^{173}Lu , E=650 MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2\text{n})$, E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827

A=176

^{176}Yb	2005BI25	NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
	2005NC01	NUCLEAR REACTIONS $^{176}\text{Yb}(^{136}\text{Xe}, \text{X})^{175}\text{Yb} / ^{176}\text{Yb} / ^{177}\text{Yb}$, $E=750$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{175,176,177}\text{Yb}$ deduced high-spin levels, J , π , configurations, gK-gR. Afrodite array. JOUR ZAANE 26 265
^{176}Hf	2005ME19	NUCLEAR REACTIONS ^{160}Gd , ^{164}Dy , ^{170}Er , ^{178}Hf , ^{186}W , $^{192}\text{Os}(p, t)$, $E=25$ MeV; measured triton spectra, $\sigma(\theta)$. ^{158}Gd , ^{162}Dy , ^{168}Er , ^{176}Hf , ^{184}W , ^{190}Os deduced 0^+ level energies. JOUR JPGPE 31 S1399
^{176}Os	2005DE48	NUCLEAR REACTIONS $^{164,166,168}\text{Er}(^{16}\text{O}, 4n)$, $E=80$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$. $^{154}\text{Sm}(^{29}\text{Si}, 5n)$, $E=158$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{176,178,180}\text{Os}$ deduced levels $T_{1/2}$, transition quadrupole moments, symmetry features. Electronic timing and recoil distance techniques, GASP array, interacting boson model and general collective model predictions. JOUR JPGPE 31 S1427
	2005M033	NUCLEAR REACTIONS $^{164,166,168}\text{Er}(^{16}\text{O}, 4n)$, $E=80$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{166}\text{Er}(^{16}\text{O}, 4n)$, $E=80$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{176,178,180}\text{Os}$ deduced levels, J , π , $T_{1/2}$, $B(E2)$. Pulsed-beam and recoil-distance techniques. JOUR PRVCA 72 034306

A=177

^{177}Yb	2005NC01	NUCLEAR REACTIONS $^{176}\text{Yb}(^{136}\text{Xe}, \text{X})^{175}\text{Yb} / ^{176}\text{Yb} / ^{177}\text{Yb}$, $E=750$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{175,176,177}\text{Yb}$ deduced high-spin levels, J , π , configurations, gK-gR. Afrodite array. JOUR ZAANE 26 265
^{177}Lu	2005KA52	NUCLEAR REACTIONS $^{177}\text{Hf}(n, \gamma)$, $E=\text{thermal}$, resonance; $^{178}\text{Hf}(n, n'\gamma)$, $E > 3$ MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179m}\text{Hf} / ^{178m}\text{Hf} / ^{177m}\text{Lu} / ^{178}\text{W} / ^{175}\text{Hf} / ^{172}\text{Hf} / ^{173}\text{Lu}$, $E=650$ MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2n)$, $E < 36$ MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827

A=178

^{178}Hf	2005KA52	NUCLEAR REACTIONS $^{177}\text{Hf}(n, \gamma)$, $E=\text{thermal}$, resonance; $^{178}\text{Hf}(n, n'\gamma)$, $E > 3$ MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179m}\text{Hf} / ^{178m}\text{Hf} / ^{177m}\text{Lu} / ^{178}\text{W} / ^{175}\text{Hf} / ^{172}\text{Hf} / ^{173}\text{Lu}$, $E=650$ MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2n)$, $E < 36$ MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
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A=178 (continued)

- ¹⁷⁸W 2005KA52 NUCLEAR REACTIONS ¹⁷⁷Hf(n, γ), E=thermal, resonance; ¹⁷⁸Hf(n, n'γ), E > 3 MeV; measured isomer production σ. Ta, W, ¹⁸⁶W, Re(p, X)^{179m}Hf / ^{178m}Hf / ^{177m}Lu / ¹⁷⁸W / ¹⁷⁵Hf / ¹⁷²Hf / ¹⁷³Lu, E=650 MeV; analyzed yields, isomer ratios. ¹⁷⁶Yb(α, 2n), E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
- ¹⁷⁸Os 2005DE48 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed Eγ, Iγ. ¹⁵⁴Sm(²⁹Si, 5n), E=158 MeV; measured Doppler-shifted Eγ, Iγ, γγ-coin. ^{176,178,180}Os deduced levels T_{1/2}, transition quadrupole moments, symmetry features. Electronic timing and recoil distance techniques, GASP array, interacting boson model and general collective model predictions. JOUR JPGPE 31 S1427
- 2005M033 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed Eγ, Iγ, γγ-coin. ¹⁶⁶Er(¹⁶O, 4n), E=80 MeV; measured Doppler-shifted Eγ, Iγ, γγ-coin. ^{176,178,180}Os deduced levels, J, π, T_{1/2}, B(E2). Pulsed-beam and recoil-distance techniques. JOUR PRVCA 72 034306

A=179

- ¹⁷⁹Hf 2005KA52 NUCLEAR REACTIONS ¹⁷⁷Hf(n, γ), E=thermal, resonance; ¹⁷⁸Hf(n, n'γ), E > 3 MeV; measured isomer production σ. Ta, W, ¹⁸⁶W, Re(p, X)^{179m}Hf / ^{178m}Hf / ^{177m}Lu / ¹⁷⁸W / ¹⁷⁵Hf / ¹⁷²Hf / ¹⁷³Lu, E=650 MeV; analyzed yields, isomer ratios. ¹⁷⁶Yb(α, 2n), E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
- ¹⁷⁹Au 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured Eγ, Iγ, γγ-, (recoil)γγ-coin. ¹⁷⁹Hg deduced high-spin levels, J, π. Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
- ¹⁷⁹Hg 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured Eγ, Iγ, γγ-, (recoil)γγ-coin. ¹⁷⁹Hg deduced high-spin levels, J, π. Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=180

- ¹⁸⁰Re 2005EL10 NUCLEAR REACTIONS ¹⁷⁴Yb(¹¹B, 5n), E=71 MeV; measured Eγ, Iγ, E(ce), I(ce), γγ-, (ce)γγ-coin. ¹⁸⁰Re deduced high-spin levels, J, π, ICC, configurations, K-forbidden transitions. Potential energy surface calculations. JOUR PRVCA 72 054306

A=180 (continued)

- ¹⁸⁰Os 2005DE48 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed E γ , I γ . ¹⁵⁴Sm(²⁹Si, 5n), E=158 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{176,178,180}Os deduced levels T_{1/2}, transition quadrupole moments, symmetry features. Electronic timing and recoil distance techniques, GASP array, interacting boson model and general collective model predictions. JOUR JPGPE 31 S1427
- 2005M033 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁶Er(¹⁶O, 4n), E=80 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{176,178,180}Os deduced levels, J, π , T_{1/2}, B(E2). Pulsed-beam and recoil-distance techniques. JOUR PRVCA 72 034306

A=181

- ¹⁸¹Os 2005CU05 NUCLEAR REACTIONS ¹⁵⁰Nd(³⁶S, 3n), (³⁶S, 5n), E not given; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{181,183}Os deduced levels, J, π , configurations. Comparison with tilted axis cranking model predictions. JOUR JPGPE 31 S1709
- ¹⁸¹Tl 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁷⁹Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
- ¹⁸¹Pb 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁷⁹Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=182

No references found

A=183

- ¹⁸³Re 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xn α), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
- ¹⁸³Os 2005CU05 NUCLEAR REACTIONS ¹⁵⁰Nd(³⁶S, 3n), (³⁶S, 5n), E not given; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{181,183}Os deduced levels, J, π , configurations. Comparison with tilted axis cranking model predictions. JOUR JPGPE 31 S1709

A=184

^{184}W	2004L022	NUCLEAR REACTIONS $^{183}\text{W}(\text{n}, \gamma)$, E=thermal; measured $\text{E}\gamma$, $\text{I}\gamma$. ^{184}W deduced levels, J, π , neutron binding energy. JOUR BRSPE 68 1292
	2005ME19	NUCLEAR REACTIONS ^{160}Gd , ^{164}Dy , ^{170}Er , ^{178}Hf , ^{186}W , $^{192}\text{Os}(\text{p}, \text{t})$, E=25 MeV; measured triton spectra, $\sigma(\theta)$. ^{158}Gd , ^{162}Dy , ^{168}Er , ^{176}Hf , ^{184}W , ^{190}Os deduced 0^+ level energies. JOUR JPGPE 31 S1399
^{184}Re	2005WH04	NUCLEAR REACTIONS $^{180}\text{Hf}({}^7\text{Li}, 3\text{n})$, E = 30 MeV; measured prompt and delayed $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin, DCO ratios. ^{184}Re deduced levels, J, π , $\text{T}_{1/2}$, gK - gR, configurations, rotational bands. Comparison with Nilsson-type blocked BCS calculations. JOUR NUPAB 763 1
^{184}Os	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}({}^7\text{Li}, \text{xn})$, $({}^7\text{Li}, \text{xnp})$, $({}^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}({}^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} / ^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}({}^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
^{184}Ir	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}({}^7\text{Li}, \text{xn})$, $({}^7\text{Li}, \text{xnp})$, $({}^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}({}^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} / ^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}({}^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
^{184}Au	2005ZH30	NUCLEAR REACTIONS $^{159}\text{Tb}({}^{29}\text{Si}, 4\text{n})$, E=140 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin. ^{184}Au deduced high-spin levels, J, π , configurations, signature inversion. GASP array. JOUR JPGPE 31 S1545
^{184}Pb	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=185

^{185}W	2005B047	NUCLEAR REACTIONS $^{184}\text{W}(\text{n}, \gamma)$, E=thermal; measured prompt and delayed $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -coin. $^{184}\text{W}(\text{polarized d}, \text{p})$, E=18, 21 MeV; $^{186}\text{W}(\text{polarized d}, \text{t})$, E=22 MeV; measured particle spectra, $\sigma(\theta)$, asymmetry. ^{185}W deduced levels, J, π , γ -branching ratios, cross sections, binding energy, spectroscopic factors. DWBA analysis, quasiparticle-phonon model calculation. Enriched targets, Ge detectors, Q3D magnetic spectrograph. JOUR NUPAB 762 167
^{185}Re	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}({}^7\text{Li}, \text{xn})$, $({}^7\text{Li}, \text{xnp})$, $({}^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}({}^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} / ^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}({}^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605

A=185 (*continued*)

^{185}Os	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}(^7\text{Li}, \text{xn})$, $(^7\text{Li}, \text{xnp})$, $(^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}(^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} / ^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}(^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
	2005TA26	NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{185}\text{Os}$, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
^{185}Ir	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}(^7\text{Li}, \text{xn})$, $(^7\text{Li}, \text{xnp})$, $(^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}(^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} / ^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}(^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
	2005TA26	NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{185}\text{Os}$, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
^{185}Au	2005CA43	NUCLEAR REACTIONS $^{92}\text{Mo}(^84\text{Sr}, \text{n}2\text{p})$, $(^84\text{Sr}, 3\text{p})$, $(^84\text{Sr}, 2\text{np})$, $^{104}\text{Ru}(^84\text{Kr}, 2\text{np})$, $^{90}\text{Zr}(^90\text{Zr}, \text{n})$, $(^90\text{Zr}, \text{p})$, E not given; $^{92}\text{Mo}(^90\text{Zr}, \text{n})$, $(^90\text{Zr}, \text{p})$, E=385 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{179}Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
^{185}Bi	2005GEZW	ATOMIC MASSES ^{235}Ac ; measured mass, $\text{T}_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. $^{207\text{m}}\text{Tl}$; measured $\text{T}_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=186

^{186}Re	2005HA60	NUCLEAR REACTIONS $^{185}\text{Re}(\text{n}, \gamma)$, E=thermal; measured isomer yield ratio. Activation technique, astrophysical implications discussed. JOUR ASJOA 628 533
^{186}Os	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}(^7\text{Li}, \text{xn})$, $(^7\text{Li}, \text{xnp})$, $(^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}(^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} / ^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}(^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
^{186}Ir	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}(^7\text{Li}, \text{xn})$, $(^7\text{Li}, \text{xnp})$, $(^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}(^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} / ^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured $\text{E}\gamma$, $\text{I}\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}(^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605

A=186 (*continued*)

	2005TA26	NUCLEAR REACTIONS Ir(p, xnyp) ¹⁸⁸ Pt / ¹⁸⁹ Pt / ¹⁹¹ Pt / ¹⁸⁵ Ir / ¹⁸⁶ Ir / ¹⁸⁸ Ir / ¹⁸⁹ Ir / ¹⁹⁰ Ir / ¹⁹² Ir / ¹⁸⁵ Os, E ≈ 3-70 MeV; measured σ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
¹⁸⁶ Pb	2005PA69	NUCLEAR REACTIONS ¹⁰⁶ Pd(⁸³ Kr, 3n), E=355 MeV; measured Eγ, Iγ, γγ-, (recoil)γ-coin; deduced production σ. ¹⁸⁶ Pb deduced levels, J, π, deformation. Jurogam array, recoil-decay tagging. JOUR ZAANE 25 s01 449
	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
¹⁸⁶ Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=187

¹⁸⁷ Pb	2005WE11	ATOMIC MASSES ^{187,187m} Pb; measured masses. ¹⁸⁷ Pb deduced isomeric state energy. Penning trap mass spectrometer. JOUR PYLAA 347 81
¹⁸⁷ Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
	2005KE10	RADIOACTIVITY ^{191,193,195} At(α); measured Eα, Eγ, γα-coin. ^{191,193,195} At deduced levels, J, π, configurations, proton separation energies. ^{187,189,191} Bi deduced levels J, π, configurations. Comparison with theory. JOUR ZAANE 25 s01 181
	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=188

¹⁸⁸ Os	2004M054	NUCLEAR REACTIONS ¹⁹² Os(⁸² Se, X) ¹⁸⁸ Os / ¹⁹⁰ Os, E=460 MeV; measured Eγ, Iγ, γγ-coin. ^{188,190} Os deduced high-spin levels, J, π. GASP array. JOUR BJPHE 34 792
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A=188 (continued)

	2005CL07	NUCLEAR REACTIONS $^{184}\text{W}({}^7\text{Li}, \text{xn}), ({}^7\text{Li}, \text{xnp}), ({}^7\text{Li}, \text{xn}\alpha)$, E=35-70 MeV; calculated σ . $^{184}\text{W}({}^7\text{Li}, \text{X})^{184}\text{Os} / {}^{185}\text{Os} / {}^{186}\text{Os} / {}^{188}\text{Os} / {}^{184}\text{Ir} / {}^{185}\text{Ir} / {}^{186}\text{Ir} / {}^{183}\text{Re} / {}^{185}\text{Re}$, E=40-70 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}({}^7\text{Li}, \text{xnp})$, E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
^{188}Ir	2005TA26	NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt} / {}^{189}\text{Pt} / {}^{191}\text{Pt} / {}^{185}\text{Ir} / {}^{186}\text{Ir} / {}^{188}\text{Ir} / {}^{189}\text{Ir} / {}^{190}\text{Ir} / {}^{192}\text{Ir} / {}^{185}\text{Os}$, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
^{188}Pt	2005TA26	NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt} / {}^{189}\text{Pt} / {}^{191}\text{Pt} / {}^{185}\text{Ir} / {}^{186}\text{Ir} / {}^{188}\text{Ir} / {}^{189}\text{Ir} / {}^{190}\text{Ir} / {}^{192}\text{Ir} / {}^{185}\text{Os}$, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
^{188}Pb	2005GR35	NUCLEAR REACTIONS $^{108}\text{Pd}({}^{83}\text{Kr}, 3\text{n})$, E=340 MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, (recoil) γ -coin. ^{188}Pb levels deduced $T_{1/2}$, B(E2), deformation. Jurogam array, mass separator, recoil-distance technique. JOUR ZAANE 25 s01 441
	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{188}Bi	2005GEZW	ATOMIC MASSES ^{235}Ac ; measured mass, $T_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. $^{207\text{m}}\text{Tl}$; measured $T_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
^{188}Po	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=189

^{189}Ir	2005TA26	NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt} / {}^{189}\text{Pt} / {}^{191}\text{Pt} / {}^{185}\text{Ir} / {}^{186}\text{Ir} / {}^{188}\text{Ir} / {}^{189}\text{Ir} / {}^{190}\text{Ir} / {}^{192}\text{Ir} / {}^{185}\text{Os}$, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
^{189}Pt	2005TA26	NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt} / {}^{189}\text{Pt} / {}^{191}\text{Pt} / {}^{185}\text{Ir} / {}^{186}\text{Ir} / {}^{188}\text{Ir} / {}^{189}\text{Ir} / {}^{190}\text{Ir} / {}^{192}\text{Ir} / {}^{185}\text{Os}$, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
^{189}Bi	2005GEZW	ATOMIC MASSES ^{235}Ac ; measured mass, $T_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. $^{207\text{m}}\text{Tl}$; measured $T_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=189 (continued)

- 2005KE10 RADIOACTIVITY $^{191,193,195}\text{At}(\alpha)$; measured $E\alpha$, $E\gamma$, $\gamma\alpha$ -coin. $^{191,193,195}\text{At}$ deduced levels, J, π , configurations, proton separation energies. $^{187,189,191}\text{Bi}$ deduced levels J, π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
- 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=190

- ^{190}Os 2004M054 NUCLEAR REACTIONS $^{192}\text{Os}(^{82}\text{Se}, \text{X})^{188}\text{Os}$ / ^{190}Os , $E=460$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{188,190}\text{Os}$ deduced high-spin levels, J, π . GASP array. JOUR BJPHE 34 792
- 2005ME19 NUCLEAR REACTIONS ^{160}Gd , ^{164}Dy , ^{170}Er , ^{178}Hf , ^{186}W , $^{192}\text{Os}(\text{p}, \text{t})$, $E=25$ MeV; measured triton spectra, $\sigma(\theta)$. ^{158}Gd , ^{162}Dy , ^{168}Er , ^{176}Hf , ^{184}W , ^{190}Os deduced 0^+ level energies. JOUR JPGPE 31 S1399
- ^{190}Ir 2005TA26 NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt}$ / ^{189}Pt / ^{191}Pt / ^{185}Ir / ^{186}Ir / ^{188}Ir / ^{189}Ir / ^{190}Ir / ^{192}Ir / ^{185}Os , $E \approx 3\text{--}70$ MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
- ^{190}Tl 2005XI06 NUCLEAR REACTIONS $^{160}\text{Gd}(^{35}\text{Cl}, 5\text{n})$, $E=167, 175$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{190}Tl deduced levels, J, π , configurations, rotational band, signature inversion. Total Routhian surface calculations. JOUR PRVCA 72 044302
- 2005ZH31 NUCLEAR REACTIONS $^{160}\text{Gd}(^{35}\text{Cl}, 5\text{n})$, $E=167$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{190}Tl deduced levels, J, π , configurations, rotational band signature inversion. Level systematics in neighboring isotopes discussed. JOUR JPGPE 31 S1985
- ^{190}Pb 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
- ^{190}Bi 2005GEZW ATOMIC MASSES ^{235}Ac ; measured mass, $T_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. $^{207\text{m}}\text{Tl}$; measured $T_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- ^{190}Po 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=191

¹⁹¹ Os	2005J019	NUCLEAR REACTIONS ¹⁹² Os(⁸² Se, X) ¹⁹¹ Os, E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁹¹ Os deduced levels, J, π , branching ratios, configurations, isomeric state features. GASP array. JOUR JPGPE 31 S1891
¹⁹¹ Pt	2005TA26	NUCLEAR REACTIONS Ir(p, xnyp) ¹⁸⁸ Pt / ¹⁸⁹ Pt / ¹⁹¹ Pt / ¹⁸⁵ Ir / ¹⁸⁶ Ir / ¹⁸⁸ Ir / ¹⁸⁹ Ir / ¹⁹⁰ Ir / ¹⁹² Ir / ¹⁸⁵ Os, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E $\approx$ 10-40 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹¹ Au	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E $\approx$ 10-40 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹¹ Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
	2005KE10	RADIOACTIVITY ^{191,193,195} At(α); measured E α , E γ , $\gamma\alpha$ -coin. ^{191,193,195} At deduced levels, J, π , configurations, proton separation energies. ^{187,189,191} Bi deduced levels J, π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
¹⁹¹ At	2005KE10	NUCLEAR REACTIONS ¹⁴² Nd(⁵⁶ Fe, 2np), E=262 MeV; ¹⁴¹ Pr(⁵⁶ Fe, 4n), E=266 MeV; ¹⁴¹ Pr(⁵⁴ Fe, 4n), E=260 MeV; measured production σ . JOUR ZAANE 25 s01 181
	2005KE10	RADIOACTIVITY ^{191,193,195} At(α); measured E α , E γ , $\gamma\alpha$ -coin. ^{191,193,195} At deduced levels, J, π , configurations, proton separation energies. ^{187,189,191} Bi deduced levels J, π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=192

¹⁹² Ir	2005TA26	NUCLEAR REACTIONS Ir(p, xnyp) ¹⁸⁸ Pt / ¹⁸⁹ Pt / ¹⁹¹ Pt / ¹⁸⁵ Ir / ¹⁸⁶ Ir / ¹⁸⁸ Ir / ¹⁸⁹ Ir / ¹⁹⁰ Ir / ¹⁹² Ir / ¹⁸⁵ Os, E $\approx$ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
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A=192 (continued)

	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹² Au	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹² Pb	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
¹⁹² Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
¹⁹² Po	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=193

¹⁹³ Os	2004ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured E _γ , I _γ , γγ-coin. ¹⁹³ Ir deduced levels, transition intensities. JOUR BJPHE 34 719
	2005ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured E _γ , I _γ , γγ-coin. ¹⁹³ Ir deduced levels, J, π. JOUR BJPHE 35 843
¹⁹³ Ir	2004ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured E _γ , I _γ , γγ-coin. ¹⁹³ Ir deduced levels, transition intensities. JOUR BJPHE 34 719
	2005ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured E _γ , I _γ , γγ-coin. ¹⁹³ Ir deduced levels, J, π. JOUR BJPHE 35 843
¹⁹³ Au	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹³ Pb	2005GL09	NUCLEAR REACTIONS ¹⁷⁰ Er(²⁸ Si, 5n), E=149 MeV; measured E _γ , I _γ , γγ-coin, DSA. ¹⁹³ Pb deduced magnetic rotational band levels T _{1/2} . GASP array, recoil-distance and Doppler-shift attenuation methods used. JOUR JPGPE 31 S1559
¹⁹³ Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=193 (continued)

- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ¹⁹³At 2005KE10 NUCLEAR REACTIONS ¹⁴²Nd(⁵⁶Fe, 2np), E=262 MeV; ¹⁴¹Pr(⁵⁶Fe,
4n), E=266 MeV; ¹⁴¹Pr(⁵⁴Fe, 4n), E=260 MeV; measured production
 σ . JOUR ZAANE 25 s01 181
- 2005KE10 RADIOACTIVITY ^{191,193,195}At(α); measured E α , E γ , $\gamma\alpha$ -coin.
^{191,193,195}At deduced levels, J, π , configurations, proton separation
energies. ^{187,189,191}Bi deduced levels J, π , configurations. Comparison
with theory. JOUR ZAANE 25 s01 181
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=194

- ¹⁹⁴Pt 2005SH52 ATOMIC MASSES ^{194,195,196,198}Pt; measured masses. Penning trap
mass spectrometer. JOUR ZAANE 25 s01 45
- ¹⁹⁴Au 2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au /
¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt /
¹⁹²Ir, E $\approx$ 10-40 MeV; measured production σ . Stacked-foil activation
technique, comparison with model predictions. JOUR NIMBE 243 20
- ¹⁹⁴Pb 2005DRZW NUCLEAR REACTIONS ¹⁷⁰Er(²⁹Si, 5n), E=147 MeV; ¹⁷⁰Er(³⁰Si,
4n), E=138 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin.
^{194,196}Pb deduced levels, J, π , configurations, isomers T_{1/2} and decay
B(E1), B(E2), B(E3). Caesar array, potential energy surface
calculations. PREPRINT ANU-P/1662,Dracoulis
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ¹⁹⁴Bi 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}.
^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton
separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky
mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- ¹⁹⁴Po 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=195

¹⁹⁵ Pt	2005SH52	ATOMIC MASSES ^{194,195,196,198} Pt; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 45
	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹⁵ Au	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹⁵ Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
¹⁹⁵ At	2005KE10	NUCLEAR REACTIONS ¹⁴² Nd(⁵⁶ Fe, 2np), E=262 MeV; ¹⁴¹ Pr(⁵⁶ Fe, 4n), E=266 MeV; ¹⁴¹ Pr(⁵⁴ Fe, 4n), E=260 MeV; measured production σ. JOUR ZAANE 25 s01 181
	2005KE10	RADIOACTIVITY ^{191,193,195} At(α); measured Eα, Eγ, γα-coin. ^{191,193,195} At deduced levels, J, π, configurations, proton separation energies. ^{187,189,191} Bi deduced levels J, π, configurations. Comparison with theory. JOUR ZAANE 25 s01 181
	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=196

¹⁹⁶ Pt	2005SH52	ATOMIC MASSES ^{194,195,196,198} Pt; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 45
¹⁹⁶ Au	2005WA31	NUCLEAR REACTIONS ^{92,98,100} Mo(γ, γ'), E=13.2 MeV bremsstrahlung; measured Eγ, Iγ. ^{92,100} Mo, ¹⁹⁷ Au(γ, n), ⁹² Mo(γ, p), (γ, α), E ≈ 11.8-16.5 MeV bremsstrahlung; measured integrated σ. JOUR JPGPE 31 S1969
	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20

A=196 (continued)

^{196}Pb	2005DRZW	NUCLEAR REACTIONS $^{170}\text{Er}(^{29}\text{Si}, 5n)$, $E=147$ MeV; $^{170}\text{Er}(^{30}\text{Si}, 4n)$, $E=138$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{194,196}\text{Pb}$ deduced levels, J , π , configurations, isomers $T_{1/2}$ and decay $B(E1)$, $B(E2)$, $B(E3)$. Caesar array, potential energy surface calculations. PREPRINT ANU-P/1662, Dracoulis
	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
	2005WI21	NUCLEAR REACTIONS $^{170}\text{Er}(^{30}\text{Si}, 4n)$, $E=144$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{196}Pb deduced superdeformed band excitation energy, J , π . Euroball IV array, time-correlated spectroscopy. JOUR PRLTA 95 182501
	2005WIZY	NUCLEAR REACTIONS $^{170}\text{Er}(^{30}\text{Si}, 4n)$, $E=144$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{196}Pb deduced superdeformed band excitation energy. Euroball IV array, time-correlated spectroscopy. Level systematics in neighboring nuclides discussed. PREPRINT ANU-P/1667, Wilson
^{196}Bi	2005GEZW	ATOMIC MASSES ^{235}Ac ; measured mass, $T_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. ^{207m}Tl ; measured $T_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009, 10/4/2005
^{196}Po	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{196}Rn	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=197

^{197}Pt	2006DI01	NUCLEAR REACTIONS $\text{Pt}(d, X)^{191}\text{Au} / ^{192}\text{Au} / ^{193}\text{Au} / ^{194}\text{Au} / ^{195}\text{Au} / ^{196}\text{Au} / ^{196m}\text{Au} / ^{198}\text{Au} / ^{199}\text{Au} / ^{191}\text{Pt} / ^{195m}\text{Pt} / ^{197}\text{Pt} / ^{192}\text{Ir}$, $E \approx 10\text{-}40$ MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
^{197}Au	2005CH66	NUCLEAR REACTIONS $^{209}\text{Bi}(^{26}\text{Mg}, ^{26}\text{Mg}')$, $E=78.6$ MeV / nucleon; $^{197}\text{Au}(^{32}\text{Mg}, ^{32}\text{Mg}')$, $E=81.1$ MeV / nucleon; $^{209}\text{Bi}(^{34}\text{Mg}, ^{34}\text{Mg}')$, $E=76.4$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{26,32,34}\text{Mg}$ deduced transitions $B(E2)$, deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320

A=197 (*continued*)

- ¹⁹⁷At 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=198

- ¹⁹⁸Pt 2005SH52 ATOMIC MASSES ^{194,195,196,198}Pt; measured masses. Penning trap
mass spectrometer. JOUR ZAANE 25 s01 45
- ¹⁹⁸Au 2004TA46 NUCLEAR REACTIONS ¹⁹⁸Pt(p, n), E $\approx$ 6-37 MeV; ¹⁹⁸Pt(d, n), (d,
2n), E $\approx$ 5-20 MeV; measured excitation functions. Activation
technique. JOUR RAACA 92 223
- 2005SE23 NUCLEAR REACTIONS ¹⁹⁷Au(n, γ), E=spectrum; measured E γ , I γ ;
deduced neutron flux. ⁷Li(p, n), E not given; deduced neutron
spectrum. ⁶²Ni(n, γ), E $\approx$ 5.5-20 keV; measured σ ; deduced
Maxwellian-averaged σ . JOUR JUPSA 74 2981
- 2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au /
¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt /
¹⁹²Ir, E $\approx$ 10-40 MeV; measured production σ . Stacked-foil activation
technique, comparison with model predictions. JOUR NIMBE 243 20
- ¹⁹⁸Pb 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ¹⁹⁸Po 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ¹⁹⁸Rn 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=199

- ¹⁹⁹Au 2004TA46 NUCLEAR REACTIONS ¹⁹⁸Pt(p, n), E $\approx$ 6-37 MeV; ¹⁹⁸Pt(d, n), (d,
2n), E $\approx$ 5-20 MeV; measured excitation functions. Activation
technique. JOUR RAACA 92 223
- 2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au /
¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt /
¹⁹²Ir, E $\approx$ 10-40 MeV; measured production σ . Stacked-foil activation
technique, comparison with model predictions. JOUR NIMBE 243 20

A=199 (*continued*)

^{199}At	2005UU03	RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po, 191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{199}Fr	2005UU03	RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po, 191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=200

^{200}Pb	2005UU03	RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po, 191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{200}Po	2005UU03	RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po, 191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{200}Rn	2005UU03	RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po, 191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=201

^{201}At	2005UU03	RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po, 191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{201}Fr	2005UU03	RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po, 191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=202

^{202}Po	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{202}Rn	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=203

^{203}At	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{203}Fr	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=204

^{204}Pb	2005WA34	NUCLEAR MOMENTS $^{204,206,207,208}\text{Pb}$; measured hfs, isotope shifts. JOUR ZDDNE 36 249
^{204}Po	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{204}Rn	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=205

^{205}Pb	2004KU33	RADIOACTIVITY $^{205}\text{Bi}(\text{EC})$ [from Pb , $\text{Bi}(\text{p}, \text{X})$]; measured $T_{1/2}$. Comparison with previous results. JOUR RAACA 92 233
^{205}Bi	2004KU33	RADIOACTIVITY $^{205}\text{Bi}(\text{EC})$ [from Pb , $\text{Bi}(\text{p}, \text{X})$]; measured $T_{1/2}$. Comparison with previous results. JOUR RAACA 92 233

A=205 (continued)

²⁰⁵Fr 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=206

²⁰⁶Pb 2005C025 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁰Ca, ⁴²Ca), E=225 MeV; measured
 $\sigma(E, \theta)$. ⁴²Ca deduced excited states configurations. ²⁰⁸Pb(⁹⁰Zr, X),
E=560 MeV; measured E γ , I γ , (fragment) γ -coin, isotopic yields for
projectile-like fragments. ⁹⁰Zr deduced transitions. JOUR ZAANE 25
s01 427

 2005WA34 NUCLEAR MOMENTS ^{204,206,207,208}Pb; measured hfs, isotope shifts.
JOUR ZDDNE 36 249

²⁰⁶Rn 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=207

²⁰⁷Tl 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}.
^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton
separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky
mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

²⁰⁷Pb 2005B0ZT NUCLEAR REACTIONS ²⁰⁶Pb(n, X), (n, γ), E=0-600 keV; measured
total and capture σ ; deduced resonance parameters. ²⁰⁶Pb, ²⁰⁹Bi(n, γ),
E=thermal; measured σ . THESIS A Borella, Gent Univ

 2005WA34 NUCLEAR MOMENTS ^{204,206,207,208}Pb; measured hfs, isotope shifts.
JOUR ZDDNE 36 249

²⁰⁷Fr 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=208

²⁰⁸Tl 2005GR28 NUCLEAR REACTIONS ¹H(π^- , $\pi^+\pi^-$), (π^+ , $2\pi^+$), E=243, 264, 284,
305 MeV; ²H, ¹²C, ⁴⁰Ca, ²⁰⁸Pb(π^+ , $2\pi^+$), (π^+ , $\pi^+\pi^-$), E=283 MeV;
Sc(π^+ , $2\pi^+X$), (π^+ , $\pi^+\pi^-X$), E=243, 264, 284, 305 MeV; measured
invariant mass distributions, $\sigma(\theta)$, correlations; deduced partial chiral
symmetry restoration. JOUR NUPAB 763 80

A=208 (continued)

^{208}Pb	2005G034	NUCLEAR REACTIONS $^{208}\text{Pb}(^{23}\text{Al}, \text{p}^{22}\text{Mg})$, E=50 MeV / nucleon; measured relative energy spectrum, $\sigma(\theta)$. ^{23}Al deduced excited state radiative width. Astrophysical implications discussed. JOUR JPGPE 31 S1517
	2005OR02	NUCLEAR REACTIONS $^{208}\text{Pb}(\text{p}, \text{p}')$, E=17.3 MeV; measured E_{p} , $E(\text{ce})$, $(\text{ce})\text{p}$ -coin. ^{208}Pb deduced levels, electric monopole transitions, E3 / E0 branching ratio. JOUR JPGPE 31 S1705
	2005R042	NUCLEAR REACTIONS $^{208}\text{Pb}(^{17}\text{F}, ^{17}\text{F})$, $(^{17}\text{F}, ^{16}\text{OX})$, E=90.4 MeV; measured $\sigma(\theta)$. JOUR ZAANE 25 s01 289
	2005SA52	NUCLEAR REACTIONS $^{208}\text{Pb}(^6\text{He}, ^6\text{He})$, $(^6\text{He}, \alpha)$, E=14, 16, 17, 18, 22 MeV; measured $\sigma(\theta)$; deduced reaction mechanism features. JOUR JPGPE 31 S1953
	2005WA34	NUCLEAR MOMENTS $^{204,206,207,208}\text{Pb}$; measured hfs, isotope shifts. JOUR ZDDNE 36 249
	2005YAZW	NUCLEAR REACTIONS $^{208}\text{Pb}(\text{n}, \text{n}'\gamma)$, E=6.5 MeV; measured E_{γ} , I_{γ} . ^{208}Pb deduced levels, J, π , $T_{1/2}$, δ , B(Ee) / B(M1). PC Yates,11/29/2005
^{208}Bi	2005GR28	NUCLEAR REACTIONS $^1\text{H}(\pi^-, \pi^+\pi^-)$, $(\pi^+, 2\pi^+)$, E=243, 264, 284, 305 MeV; ^2H , ^{12}C , ^{40}Ca , $^{208}\text{Pb}(\pi^+, 2\pi^+)$, $(\pi^+, \pi^+\pi^-)$, E=283 MeV; $\text{Sc}(\pi^+, 2\pi^+\text{X})$, $(\pi^+, \pi^+\pi^-\text{X})$, E=243, 264, 284, 305 MeV; measured invariant mass distributions, $\sigma(\theta)$, correlations; deduced partial chiral symmetry restoration. JOUR NUPAB 763 80
^{208}Ra	2005RE23	NUCLEAR REACTIONS $^{182,184}\text{W}(^{30}\text{Si}, 4\text{n})$, E=148 MeV; measured delayed E_{γ} , I_{γ} , $\gamma\gamma$ -, (recoil) γ -coin. $^{208,210}\text{Ra}$ deduced levels, J, π , isomers $T_{1/2}$, B(E2). Mass separator. JOUR JPGPE 31 S1605

A=209

^{209}Bi	2005BA88	NUCLEAR REACTIONS $^{208}\text{Pb}(\text{p}, \gamma)$, E=11.9 MeV; measured E_{γ} , I_{γ} . $^{147}\text{Sm}(^{16}\text{O}, 3\text{n})$, E=73 MeV; measured E_{γ} , I_{γ} , $\gamma\gamma$ -coin. ^{160}Yb deduced high-spin levels, J, π . Afrodite array. JOUR JPGPE 31 S1747
	2005CH66	NUCLEAR REACTIONS $^{209}\text{Bi}(^{26}\text{Mg}, ^{26}\text{Mg}')$, E=78.6 MeV / nucleon; $^{197}\text{Au}(^{32}\text{Mg}, ^{32}\text{Mg}')$, E=81.1 MeV / nucleon; $^{209}\text{Bi}(^{34}\text{Mg}, ^{34}\text{Mg}')$, E=76.4 MeV / nucleon; measured E_{γ} , I_{γ} , (particle) γ -coin following projectile Coulomb excitation. $^{26,32,34}\text{Mg}$ deduced transitions B(E2), deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320

A=210

^{210}Pb	2005SA52	NUCLEAR REACTIONS $^{208}\text{Pb}(^6\text{He}, ^6\text{He})$, $(^6\text{He}, \alpha)$, E=14, 16, 17, 18, 22 MeV; measured $\sigma(\theta)$; deduced reaction mechanism features. JOUR JPGPE 31 S1953
^{210}Bi	2005B0ZT	NUCLEAR REACTIONS $^{206}\text{Pb}(\text{n}, \text{X})$, (n, γ) , E=0-600 keV; measured total and capture σ ; deduced resonance parameters. ^{206}Pb , $^{209}\text{Bi}(\text{n}, \gamma)$, E=thermal; measured σ . THESIS A Borella,Gent Univ

A=210 (*continued*)

^{210}Ra	2005RE23	NUCLEAR REACTIONS $^{182,184}\text{W}(^{30}\text{Si}, 4\text{n})$, E=148 MeV; measured delayed E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. $^{208,210}\text{Ra}$ deduced levels, J, π , isomers T $_{1/2}$, B(E2). Mass separator. JOUR JPGPE 31 S1605
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A=211

^{211}Ra	2005KU31	RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T $_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J, π , ICC. JOUR ZAANE 25 397
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A=212

^{212}Po	2005GA46	NUCLEAR REACTIONS ^{208}Pb , $^{209}\text{Bi}(^8\text{He}, 4\text{n})$, E=28 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{212}Po , ^{213}At deduced levels, J, π . Exogam array. JOUR JPGPE 31 S1851
^{212}Ra	2005KU31	RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T $_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J, π , ICC. JOUR ZAANE 25 397

A=213

^{213}At	2005GA46	NUCLEAR REACTIONS ^{208}Pb , $^{209}\text{Bi}(^8\text{He}, 4\text{n})$, E=28 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{212}Po , ^{213}At deduced levels, J, π . Exogam array. JOUR JPGPE 31 S1851
^{213}Ra	2005KU31	RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T $_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J, π , ICC. JOUR ZAANE 25 397
^{213}Th	2005LE42	RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured E α , T $_{1/2}$. $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π . Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01 183

A=214

^{214}Th	2005LE42	RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured E α , T $_{1/2}$. $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π . Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01 183
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A=215

^{215}Th	2005KU31	RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T $_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J, π , ICC. JOUR ZAANE 25 397
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A=215 (*continued*)

- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=216

- ^{216}Th 2005KU31 RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$];
measured $E\alpha$, $I\alpha$, $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J,
 π , ICC. JOUR ZAANE 25 397

A=217

- ^{217}Th 2005KU31 RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$];
measured $E\alpha$, $I\alpha$, $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J,
 π , ICC. JOUR ZAANE 25 397
- ^{217}U 2005LE42 NUCLEAR REACTIONS $^{182}\text{W}(^{40}\text{Ar}, \text{xn})^{217}\text{U} / ^{218}\text{U} / ^{218m}\text{U} / ^{219}\text{U}$,
E=186 MeV; measured $E\alpha$, $\alpha\alpha$ -, (recoil) α -coin; deduced production σ .
JOUR ZAANE 25 s01 183
- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=218

- ^{218}U 2005LE42 NUCLEAR REACTIONS $^{182}\text{W}(^{40}\text{Ar}, \text{xn})^{217}\text{U} / ^{218}\text{U} / ^{218m}\text{U} / ^{219}\text{U}$,
E=186 MeV; measured $E\alpha$, $\alpha\alpha$ -, (recoil) α -coin; deduced production σ .
JOUR ZAANE 25 s01 183
- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=219

- ^{219}U 2005LE42 NUCLEAR REACTIONS $^{182}\text{W}(^{40}\text{Ar}, \text{xn})^{217}\text{U} / ^{218}\text{U} / ^{218m}\text{U} / ^{219}\text{U}$,
E=186 MeV; measured $E\alpha$, $\alpha\alpha$ -, (recoil) α -coin; deduced production σ .
JOUR ZAANE 25 s01 183
- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=220

No references found

A=221

No references found

A=222

^{222}Rn	2004KU35	RADIOACTIVITY ^{238}Pu , $^{226}\text{Ra}(\alpha)$; $^{152}\text{Eu}(\text{EC})$; measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358
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A=223

No references found

A=224

No references found

A=225

No references found

A=226

^{226}Ra	2004KU35	RADIOACTIVITY ^{238}Pu , $^{226}\text{Ra}(\alpha)$; $^{152}\text{Eu}(\text{EC})$; measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358
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A=227

No references found

A=228

No references found

A=229

^{229}Ra 2005HE26 ATOMIC MASSES $^{229,230,231,232}\text{Ra}$, ^{230}Fr ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=230

^{230}Fr 2005HE26 ATOMIC MASSES $^{229,230,231,232}\text{Ra}$, ^{230}Fr ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

^{230}Ra 2005HE26 ATOMIC MASSES $^{229,230,231,232}\text{Ra}$, ^{230}Fr ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=231

^{231}Ra 2005HE26 ATOMIC MASSES $^{229,230,231,232}\text{Ra}$, ^{230}Fr ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=232

^{232}Ra 2005HE26 ATOMIC MASSES $^{229,230,231,232}\text{Ra}$, ^{230}Fr ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=233

^{233}Th 2004HA64 NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, $E=0.05\text{-}2\text{ MeV}$; ^{230}Th , $^{231,233}\text{Pa}(n, F)$, $E=0.5\text{-}10\text{ MeV}$; measured σ . Comparison with previous results. JOUR BJPHE 34 814

A=234

^{234}U 2004KU35 RADIOACTIVITY ^{238}Pu , $^{226}\text{Ra}(\alpha)$; $^{152}\text{Eu}(\text{EC})$; measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358

A=235

^{235}Ac 2005GEZW ATOMIC MASSES ^{235}Ac ; measured mass, $T_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. ^{207m}Tl ; measured $T_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=236

^{236}U	2005CSZZ	NUCLEAR REACTIONS $^{235}\text{U}(\text{d}, \text{pF})$, $E=13$ MeV; measured E_{p} , fission fragment angular correlations. ^{236}U deduced hyperdeformed resonances. REPT MLL 2004 Annual,P19,Csige
	2005RY03	NUCLEAR REACTIONS ^{232}Th , $^{238}\text{U}(\text{n}, \text{F})$, $E=21\text{-}95$ MeV; measured fission fragments angular distributions, anisotropy. ^{232}Th , $^{238}\text{U}(\text{n}, \text{F})$, $E=0\text{-}95$ MeV; ^{232}Th , $^{238}\text{U}(\text{n}, 2\text{n})$, $(\text{n}, 3\text{n})$, (n, xnF) , $E=0\text{-}20$ MeV; calculated σ , fission fragments angular anisotropy. $^{238}\text{U}(\text{n}, \text{pX})$, $E=25\text{-}65$ MeV; calculated σ . Multichance fission, saddle-point statistical model analysis. JOUR NUPAB 760 19

A=237

^{237}U	2005RY03	NUCLEAR REACTIONS ^{232}Th , $^{238}\text{U}(\text{n}, \text{F})$, $E=21\text{-}95$ MeV; measured fission fragments angular distributions, anisotropy. ^{232}Th , $^{238}\text{U}(\text{n}, \text{F})$, $E=0\text{-}95$ MeV; ^{232}Th , $^{238}\text{U}(\text{n}, 2\text{n})$, $(\text{n}, 3\text{n})$, (n, xnF) , $E=0\text{-}20$ MeV; calculated σ , fission fragments angular anisotropy. $^{238}\text{U}(\text{n}, \text{pX})$, $E=25\text{-}65$ MeV; calculated σ . Multichance fission, saddle-point statistical model analysis. JOUR NUPAB 760 19
^{237}Np	2005MA90	RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(\text{n}, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured E_{α} . JOUR NIMAE 553 559
	2005PA56	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured neutron emission rates. $^{241}\text{Am}(\alpha)$; measured neutron emission rates for Am-Be source. Manganese sulphate bath system. JOUR KPSJA 47 603

A=238

^{238}U	2005Y012	RADIOACTIVITY $^{238}\text{U}(\text{SF})$; measured spontaneous fission decay constant. Solid-state nuclear track detectors. JOUR NIMAE 555 386
^{238}Np	2005RE25	NUCLEAR REACTIONS $^{237}\text{Np}(\text{n}, \gamma)$, $E=0.01\text{-}10$ eV; measured σ . Comparison with previous results. JOUR NIMBE 241 176
^{238}Pu	2004KU35	RADIOACTIVITY ^{238}Pu , $^{226}\text{Ra}(\alpha)$; $^{152}\text{Eu}(\text{EC})$; measured low-energy electron spectra, angular distributions, $(\text{electron})\alpha$ -, $(\text{electron})\gamma$ -, $(\text{electron})(\text{X-ray})$ -coin. JOUR BRSPE 68 1358

A=239

No references found

A=240

^{240}Pu	2005THZZ	NUCLEAR REACTIONS ^{232}Th , $^{238}\text{U}(\alpha, 2\text{n})$, $E=20\text{-}27$ MeV; measured prompt and delayed fission fragment yields; deduced excitation functions for isomeric and prompt fission. REPT MLL 2004 Annual,P17,Thirolf
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A=241

- ^{241}Am 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(\text{n}, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559
- 2005PA56 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured neutron emission rates. $^{241}\text{Am}(\alpha)$; measured neutron emission rates for Am-Be source. Manganese sulphate bath system. JOUR KPSJA 47 603

A=242

- ^{242}Pu 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(\text{n}, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559
- ^{242}Am 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(\text{n}, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559
- ^{242}Cm 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(\text{n}, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559

A=243

- ^{243}Es 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=244

- ^{244}Cm 2004NA44 RADIOACTIVITY $^{244}\text{Cm}(\text{SF})$; measured fission fragments isomeric yield ratios; deduced fragment angular momentum distributions. JOUR RAACA 92 1

A=245

- ^{245}Es 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=246

No references found

A=247

^{247}Es	2005GR36	RADIOACTIVITY ^{255}Lr , $^{251}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{48}\text{Ca}, 2n)$ and subsequent decay]; measured $E\alpha$, $\alpha\alpha$ -coin; deduced excited state decay. JOUR ZAANE 25 s01 599
	2005HE27	RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, xn)$, $(^{50}\text{Ti}, xn)$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, xn)$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
^{247}Md	2005HE27	RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, xn)$, $(^{50}\text{Ti}, xn)$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, xn)$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=248

No references found

A=249

^{249}Es	2005HE27	RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, xn)$, $(^{50}\text{Ti}, xn)$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, xn)$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
^{249}Md	2005HE27	RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, xn)$, $(^{50}\text{Ti}, xn)$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, xn)$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=250

No references found

A=251

^{251}Cf	2005AH09	RADIOACTIVITY $^{255}\text{Fm}(\alpha)$; measured $E\gamma$, $I\gamma$. $^{251}\text{Es}(\text{EC})$; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$. ^{251}Cf deduced levels, J , π , configurations, vibrational states. JOUR PRVCA 72 054308
^{251}Es	2005AH09	RADIOACTIVITY $^{255}\text{Fm}(\alpha)$; measured $E\gamma$, $I\gamma$. $^{251}\text{Es}(\text{EC})$; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$. ^{251}Cf deduced levels, J , π , configurations, vibrational states. JOUR PRVCA 72 054308

A=251 (*continued*)

- 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
- ^{251}Md 2005GR36 RADIOACTIVITY ^{255}Lr , $^{251}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{48}\text{Ca}, 2\text{n})$ and subsequent decay]; measured $E\alpha$, $\alpha\alpha$ -coin; deduced excited state decay. JOUR ZAANE 25 s01 599
- 2005GR36 NUCLEAR REACTIONS $^{205}\text{Tl}(^{48}\text{Ca}, 2\text{n})$, $E=218$ MeV; measured $E\gamma$, $I\gamma$, (recoil) γ -coin. Jurogam array. JOUR ZAANE 25 s01 599
- 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=252

- ^{252}Cf 2005F017 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
- 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- 2005J024 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{162,164}\text{Gd}$ deduced levels, J , π . Gammasphere array, level systematics in neighboring nuclides discussed. JOUR ZAANE 25 s01 467
- 2005LU21 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303
- 2005LU24 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
- 2005PA56 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured neutron emission rates. $^{241}\text{Am}(\alpha)$; measured neutron emission rates for Am-Be source. Manganese sulphate bath system. JOUR KPSJA 47 603
- 2005SH49 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (fragment) γ -coin. ^{144}Ba deduced transitions $T_{1/2}$, $B(E2)$, transition dipole, quadrupole, and octupole moments for alternating-parity band. Gammasphere array, cluster-model analysis. JOUR ZAANE 25 387
- 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=252 (*continued*)

- 2005ZH36 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{106}Mo deduced high-spin levels, J, π , chiral vibrational bands. Gammasphere array, tilted-axis cranking model analysis. JOUR ZAANE 25 s01 459

A=253

- ^{253}Md 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=254

- ^{254}No 2005EE01 NUCLEAR REACTIONS $^{208}\text{Pb}(^{48}\text{Ca}, 2\text{n})$, E not given; measured $E\gamma$, $I\gamma$, (recoil) γ -coin. ^{254}No deduced rotational band levels, J, π . Jurogam array, recoil-decay tagging. JOUR ZAANE 25 s01 605
- 2005EE02 NUCLEAR REACTIONS $^{208}\text{Pb}(^{48}\text{Ca}, 2\text{n})$, E=219, 221 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{254}No deduced levels, J, π , rotational band, non-yrast state. Jurogam array, recoil-decay tagging. JOUR ZAANE 26 227

A=255

- ^{255}Fm 2005AH09 RADIOACTIVITY $^{255}\text{Fm}(\alpha)$; measured $E\gamma$, $I\gamma$. $^{251}\text{Es}(\text{EC})$; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$. ^{251}Cf deduced levels, J, π , configurations, vibrational states. JOUR PRVCA 72 054308
- ^{255}Md 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
- ^{255}Lr 2005GR36 RADIOACTIVITY ^{255}Lr , $^{251}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{48}\text{Ca}, 2\text{n})$ and subsequent decay]; measured $E\alpha$, $\alpha\alpha$ -coin; deduced excited state decay. JOUR ZAANE 25 s01 599

A=256

No references found

A=257

No references found

A=258

No references found

A=259

No references found

A=260

No references found

A=261

No references found

A=262

No references found

A=263

No references found

A=264

No references found

A=265

No references found

A=266

No references found

A=267

^{267}Rf	20050G03	RADIOACTIVITY $^{294}_{118}$, $^{290,291,292,293}_{116}$, $^{287,288,289}_{114}$, $^{285}_{112}$, $^{275}_{112}(\alpha)$; $^{286}_{114}$, $^{283}_{112}$, $^{279}_{112}\text{Ds}$, $^{271}_{112}\text{Sg}(\alpha)$, (SF); $^{282,284}_{112}$, $^{281}_{112}\text{Ds}$, $^{267}_{112}\text{Rf}(\text{SF})$; measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589
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A=267 (*continued*)

²⁶⁷Db 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α)
[from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2};
deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=268

²⁶⁸Db 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α)
[from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2};
deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=269

No references found

A=270

No references found

A=271

²⁷¹Sg 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112,
²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds,
²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01
589

²⁷¹Bh 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α)
[from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2};
deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=272

²⁷²Bh 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α)
[from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2};
deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=273

No references found

A=274

No references found

A=275

^{275}Hs	20050G03	RADIOACTIVITY $^{294}_{118}$, $^{290,291,292,293}_{116}$, $^{287,288,289}_{114}$, $^{285}_{112}$, $^{275}\text{Hs}(\alpha)$; $^{286}_{114}$, $^{283}_{112}$, ^{279}Ds , $^{271}\text{Sg}(\alpha)$, (SF); $^{282,284}_{112}$, ^{281}Ds , $^{267}\text{Rf}(\text{SF})$; measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589
^{275}Mt	20050G02	RADIOACTIVITY $^{287,288}_{115}$, $^{283,284}_{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611

A=276

^{276}Mt	20050G02	RADIOACTIVITY $^{287,288}_{115}$, $^{283,284}_{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611
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A=277

No references found

A=278

No references found

A=279

^{279}Ds	20050G03	RADIOACTIVITY $^{294}_{118}$, $^{290,291,292,293}_{116}$, $^{287,288,289}_{114}$, $^{285}_{112}$, $^{275}\text{Hs}(\alpha)$; $^{286}_{114}$, $^{283}_{112}$, ^{279}Ds , $^{271}\text{Sg}(\alpha)$, (SF); $^{282,284}_{112}$, ^{281}Ds , $^{267}\text{Rf}(\text{SF})$; measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589
^{279}Rg	20050G02	RADIOACTIVITY $^{287,288}_{115}$, $^{283,284}_{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611

A=280

^{280}Rg	20050G02	RADIOACTIVITY $^{287,288}_{115}$, $^{283,284}_{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611
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A=281

²⁸¹Ds 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

A=282

²⁸²112 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E \approx 230$ -250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

A=283

²⁸³112 2005H0ZX NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, xn), $E=233, 236, 239$ MeV; measured fission fragment spectra; deduced evidence for ²⁸³112. PREPRINT Hofmann

20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E \approx 230$ -250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

²⁸³113 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. ^{267,268}Db(SF); measured $T_{1/2}$. JOUR PRVCA 72 034611

A=284

²⁸⁴112 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

²⁸⁴113 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. ^{267,268}Db(SF); measured $T_{1/2}$. JOUR PRVCA 72 034611

A=285

²⁸⁵112 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

A=286

²⁸⁶114 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E \approx 230$ -250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

A=287

²⁸⁷114 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E \approx 230$ -250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

²⁸⁷115 20050G02 NUCLEAR REACTIONS ²⁴³Am(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E=248$, 253 MeV; measured delayed $E\alpha$, $\alpha\alpha$ -coin; deduced σ . JOUR PRVCA 72 034611

20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. ^{267,268}Db(SF); measured $T_{1/2}$. JOUR PRVCA 72 034611

A=288

²⁸⁸114 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E \approx 230$ -250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

²⁸⁸115 20050G02 NUCLEAR REACTIONS ²⁴³Am(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E=248$, 253 MeV; measured delayed $E\alpha$, $\alpha\alpha$ -coin; deduced σ . JOUR PRVCA 72 034611

20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. ^{267,268}Db(SF); measured $T_{1/2}$. JOUR PRVCA 72 034611

A=289

²⁸⁹114 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=290

²⁹⁰116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=291

²⁹¹116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=292

²⁹²116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=293

²⁹³116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=294

²⁹⁴118 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

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