



BNL-77289-2006-IR

**Recent References:
July 1, 2005 to September 30, 2005**

David F. Winchell
National Nuclear Data Center, Brookhaven National Laboratory

November 2006

**Energy Sciences & Technology Department
National Nuclear Data Center**

Brookhaven National Laboratory

P.O. Box 5000
Upton, NY 11973-5000
www.bnl.gov

Notice: This manuscript has been authored by employees of Brookhaven Science Associates, LLC under Contract No. DE-AC02-98CH10886 with the U.S. Department of Energy. The publisher by accepting the manuscript for publication acknowledges that the United States Government retains a non-exclusive, paid-up, irrevocable, world-wide license to publish or reproduce the published form of this manuscript, or allow others to do so, for United States Government purposes.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or any third party's use or the results of such use of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

Recent References: July 1, 2005 to September 30, 2005

David F. Winchell
National Nuclear Data Center, Brookhaven National Laboratory

This document lists experimental references added to Nuclear Science References (NSR) during the period July 1, 2005 to September 30, 2005. The first section lists keynumbers and keywords sorted by mass and nuclide. The second section lists all references, ordered by keynumber.

For more information, and access to the most recent NSR updates, please visit the NSR web site at <http://www.nndc.bnl.gov/nsr/>.

Contents

Keynumbers and Keywords	2
References	104

Keynumbers and Keywords

A=1

^1n	2005B035	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $E\beta$. Plans for measurement of time-reversal violating effects discussed. JOUR JRNBA 110 461
	2005BY03	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured recoil proton spectra; deduced electron-antineutrino angular correlation coefficient. JOUR JRNBA 110 395
	2005BY04	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured E_p , $E\beta$, $E\gamma$, $p\gamma^-$, $\beta\gamma^-$, $p\beta$ -coin; deduced upper limit for radiative decay branching ratio. JOUR JRNBA 110 415
	2005DZ03	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Comparison with previous results. JOUR JRNBA 110 339
	2005GR15	NUCLEAR REACTIONS $^1,^2\text{H}(\text{polarized } \gamma, \text{X})$, $E \approx 200\text{-}2900$ MeV; measured helicity dependent photoabsorption σ . ^1n , ^1H deduced sum rule features. JOUR PPNPD 55 375
	2005HA39	NUCLEAR REACTIONS $^1\text{H}(e^+, e^+\pi^+)$, $E=27.6$ GeV; measured $\sigma(Q^2, x)$. Comparison with model predictions. JOUR NUPAB 755 557c
	2005PR16	NUCLEAR REACTIONS $^1\text{H}(\pi^-, \pi^0)$, E at 716 MeV / c; measured η -meson production associated $E\gamma$, $\gamma\gamma$ -coin, related data; deduced η -decay branching ratio. JOUR PRVCA 72 025201
	2005R021	NUCLEAR REACTIONS $^1\text{H}(\gamma, \pi^+)$, (polarized γ , π^+), $E \approx 400\text{-}800$ MeV; measured unpolarized and helicity-dependent σ , $\sigma(\theta)$. JOUR NUPAB 755 451c
	2005SAZS	NUCLEAR REACTIONS $^1\text{H}(d, 2p)$, $E=270$ MeV; measured proton spin correlations; deduced violation of Bell's inequality. REPT CNS-REP-66,P32,Saito
	2005SE16	NUCLEAR REACTIONS ^2H , $^3\text{He}(\text{polarized } e, e'n)$, $E=\text{high}$; measured asymmetries, polarization transfer. ^1n deduced electromagnetic form factor. Polarized target. JOUR NUPAB 755 253c
	2005SE17	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Comparison with previous results. JOUR JRNBA 110 333
	2005ST23	NUCLEAR REACTIONS $^1\text{H}(\pi^-, \pi^0)$, E at 649-752 MeV / c; measured σ , $\sigma(E, \theta)$; deduced η -meson contribution, other reaction mechanism features. Comparison with model predictions. JOUR PRVCA 72 015205
	2005WI17	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Trapped proton counting method. JOUR JRNBA 110 327
	2005ZE03	NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, ^9\text{Be})$, $E=40.38$ MeV; measured particle spectra, $\sigma(\theta)$; deduced astrophysical S-factors. JOUR CPLEE 22 2219
^1H	2005AC22	NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e'p)$, (polarized $e, e'np$), $E=735$ MeV; measured polarization observables; deduced final state interaction effects. Polarized target. JOUR ZAANE 25 177
	2005AH05	NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \gamma, 2\pi^0)$, $E=400\text{-}800$ MeV; measured unpolarized and helicity-dependent σ . Polarized target. JOUR PYLBB 624 173

A=1 (continued)

- 2005AK09 NUCLEAR REACTIONS $^1\text{H}(e^+, e^+\gamma)$, E=high; measured $\sigma(Q^2)$, $\sigma(W)$ for deeply virtual Compton scattering. Comparison with model predictions. JOUR ZCCNE 44 1
- 2005AR21 NUCLEAR REACTIONS $^1\text{H}(e, e)$, E=3.03 GeV; measured forward angle parity-violating asymmetries, strange-quark contributions. JOUR PRLTA 95 092001
- 2005BA58 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e)$, E=854.3 MeV; measured single spin asymmetries; deduced form factor limits. JOUR NUPAB 755 249c
- 2005BAZV NUCLEAR REACTIONS $^1\text{H}(n, n)$, E=15 MeV; measured recoil protons angular distributions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P834
- 2005B035 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $E\beta$. Plans for measurement of time-reversal violating effects discussed. JOUR JRNBA 110 461
- 2005BY03 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured recoil proton spectra; deduced electron-antineutrino angular correlation coefficient. JOUR JRNBA 110 395
- 2005BY04 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured E_p , $E\beta$, $E\gamma$, $p\gamma^-$, $\beta\gamma^-$, $p\beta$ -coin; deduced upper limit for radiative decay branching ratio. JOUR JRNBA 110 415
- 2005DA29 NUCLEAR REACTIONS $^1\text{H}(\gamma, \gamma')$, E=high; measured σ , polarization transfer asymmetry. JOUR NUPAB 755 281c
- 2005D016 NUCLEAR REACTIONS $^1\text{H}(^{17}\text{B}, ^{17}\text{B}')$, E=43.8 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin, σ . ^{17}B deduced deformation parameters, decoupling of valence neutrons from core. JOUR PYLBB 621 81
- 2005DZ03 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Comparison with previous results. JOUR JRNBA 110 339
- 2005GR15 NUCLEAR REACTIONS $^{1,2}\text{H}(\text{polarized } \gamma, X)$, E \approx 200-2900 MeV; measured helicity dependent photoabsorption σ . ^1n , ^1H deduced sum rule features. JOUR PPNPD 55 375
- 2005HA32 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \gamma, \gamma)$, E \approx 3.2 GeV; measured recoil proton polarization. JOUR PRLTA 94 242001
- 2005HA37 NUCLEAR REACTIONS $^{1,2}\text{H}(\text{polarized } e, e')$, E=high; measured analyzing powers; deduced form factors. Polarized targets. JOUR NUPAB 755 257c
- 2005J012 NUCLEAR REACTIONS $^1\text{H}(^{10}\text{C}, ^{10}\text{C})$, $(^{10}\text{C}, ^{10}\text{C}')$, E=45.3 MeV / nucleon; $^1\text{H}(^{11}\text{C}, ^{11}\text{C})$, $(^{11}\text{C}, ^{11}\text{C}')$, E=40.6 MeV / nucleon; $^1\text{H}(^{12}\text{C}, ^{12}\text{C})$, $(^{12}\text{C}, ^{12}\text{C}')$, E=36.3 MeV / nucleon; measured elastic and inelastic $\sigma(\theta)$. $^{10,11}\text{C}$ deduced radii, transition matrix elements. JOUR PRVCA 72 014308
- 2005J0ZX NUCLEAR REACTIONS $^1\text{H}(n, n)$, E=96 MeV; measured $\sigma(\theta)$. Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P804
- 2005KA25 NUCLEAR MOMENTS $^{1,2}\text{H}$; measured NMR spectra; deduced μ ratio. JOUR CJPHA 83 405
- 2005KA26 NUCLEAR REACTIONS $^1\text{H}(^{19}\text{C}, ^{19}\text{C}')$, $(^{17}\text{C}, ^{17}\text{C}')$, $(^{17}\text{B}, ^{17}\text{B}')$, E \approx 53 MeV / nucleon; measured prompt and delayed $E\gamma$, $I\gamma$. $^{17,19}\text{C}$, ^{17}B deduced transitions. ^{19}C deduced no isomeric state. JOUR NUPAB 757 315

A=1 (continued)

- 2005MA44 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e)$, $E=570.4, 854.3$ MeV; measured parity-violating single spin asymmetry. Comparison with model predictions. JOUR PPNPD 55 320
- 2005MA48 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e)$, $E=3$ GeV; measured parity-violating asymmetries. JOUR NUPAB 755 245c
- 2005MEZY NUCLEAR REACTIONS $^{1,2}\text{H}(\text{n}, \text{n})$, $E=95$ MeV; measured $\sigma(\theta)$; deduced three-nucleon force effects. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P688
- 2005SAZT NUCLEAR REACTIONS $^1\text{H}(\alpha, \alpha)$, $E=80$ MeV / nucleon; measured $p\alpha$ -coin, $\sigma(\theta)$; deduced target polarization. REPT RIKEN 2004 Annual, P36, Sakaguchi
- 2005SE17 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Comparison with previous results. JOUR JRNBA 110 333
- 2005SPZZ NUCLEAR REACTIONS $^1\text{H}(\text{p}, \text{p}\pi^+\pi^-)$, $E=2.2$ GeV; measured η -meson production associated missing mass spectra. CONF Bormio (XLIII Winter Meeting) Proc, P305
- 2005SUZV NUCLEAR REACTIONS $^{12}\text{C}(\text{polarized } d, \alpha)$, $E=130, 180$ MeV; measured $E\alpha$, asymmetry; deduced beam polarization. $^1\text{H}(\text{polarized } d, d)$, $E=130, 180$ MeV; measured analyzing powers. REPT CNS-REP-66, P34, Suda
- 2005TR09 NUCLEAR REACTIONS $^1\text{H}(\text{n}, \text{nK}^+\text{K}^-)$, E at 5.2 GeV / c ; measured strangeness production associated invariant mass spectra; deduced resonance features. JOUR FECLA 124 36
- 2005VIZY NUCLEAR REACTIONS $^1\text{H}(\text{n}, \text{n})$, $E=194$ MeV; measured $\sigma(\theta)$. Tagged neutron beam, comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P820
- 2005WI17 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Trapped proton counting method. JOUR JRNBA 110 327

A=2

- ^2n 2005CH50 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{p})$, $(^6\text{He}, \text{np})$, $(^6\text{He}, \text{p}\alpha)$, $E=717$ MeV / nucleon; $^1\text{H}(^8\text{He}, \text{p})$, $(^8\text{He}, \text{np})$, $(^8\text{He}, \text{p}\alpha)$, $E=671$ MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. $^6,8\text{He}$ deduced cluster configurations, spectroscopic factors. JOUR NUPAB 759 43
- ^2H 2005AC22 NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e'\text{p})$, $(\text{polarized } e, e'\text{np})$, $E=735$ MeV; measured polarization observables; deduced final state interaction effects. Polarized target. JOUR ZAANE 25 177
- 2005ER03 NUCLEAR REACTIONS $^2\text{H}(\text{polarized } \text{p}, \text{p})$, $E=108, 120, 135, 150, 170, 190$ MeV; measured $\sigma(\theta)$ and vector analyzing power; deduced three-nucleon forces contribution and necessity of inclusion. Comparisons with model predictions. JOUR PRVCA 71 064004
- 2005HA37 NUCLEAR REACTIONS $^{1,2}\text{H}(\text{polarized } e, e')$, $E=\text{high}$; measured analyzing powers; deduced form factors. Polarized targets. JOUR NUPAB 755 257c
- 2005KA25 NUCLEAR MOMENTS $^{1,2}\text{H}$; measured NMR spectra; deduced μ ratio. JOUR CJPHA 83 405

A=2 (continued)

- 2005MAZN NUCLEAR REACTIONS ^2H (polarized n, n), E=250 MeV; measured $\sigma(\theta)$, $A_y(\theta)$; deduced three-nucleon force effects. REPT CNS-REP-66,P38,Maeda
- 2005MEZY NUCLEAR REACTIONS $^1,2\text{H}$ (n, n), E=95 MeV; measured $\sigma(\theta)$; deduced three-nucleon force effects. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P688

A=3

- ^3H 2005GI07 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 t+t and $\alpha+2n$ cluster configurations. $^1\text{H}(^6\text{He}, p)$, E=25 MeV / nucleon; measured $\sigma(\theta)$. $^3\text{He}(\alpha, \alpha)$, E(cm)=28.7 MeV; calculated $\sigma(\theta)$. SPEG spectrometer and MUST array at GANIL. DWBA and coupled-channels calculations. JOUR PRVCA 71 064311
- 2005LI29 NUCLEAR REACTIONS $^2\text{H}(d, p)$, E=0.8-2.45 keV; measured charge particle yields; deduced reaction rate enhancement in titanium cathode. JOUR ZETF 127 1334
- 2005MIZU NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F}), (^{23}\text{F}, ^{23}\text{F}'), (^{24}\text{F}, ^{23}\text{F})$, E not given; measured $E_\gamma, I_\gamma, \gamma\gamma$ -coin, $\sigma(\theta)$. ^{23}F deduced levels, J, π . REPT CNS-REP-66,P26,Michimasa
- 2005MIZV NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, E \approx 35 MeV / nucleon; $^4\text{He}(^{23}\text{F}, ^{23}\text{F}')$, E \approx 41.5 MeV / nucleon; $^4\text{He}(^{24}\text{F}, ^{23}\text{F})$, E \approx 36 MeV / nucleon; measured $E_\gamma, I_\gamma, \gamma\gamma$ -, (particle) γ -coin, angular distributions. ^{23}F deduced levels, J, π . REPT RIKEN 2004 Annual,P51,Michimasa
- 2005RI13 NUCLEAR REACTIONS $^6\text{Li}(d, pt)$, E=14 MeV; measured particle spectra, angular correlations. $^2\text{H}(d, p)$, E \approx 50-2000 keV; deduced S-factors. Trojan horse method, comparison with previous results. JOUR NUPAB 758 146c
- 2005YA12 NUCLEAR REACTIONS $^6\text{Li}(^3\text{He}, t^3\text{He})$, E=450 MeV; $^6\text{Li}(^7\text{Li}, t^7\text{Be})$, E=455 MeV; measured particle spectra, angular correlations. $^6\text{He}, ^6\text{Li}, ^6\text{Be}$ deduced resonances. JOUR PRVCA 71 064316
- ^3He 2005CA29 NUCLEAR REACTIONS $^{12}\text{C}(p, X)$, E=180 MeV; $^{12}\text{C}(\alpha, X)$, E=192.4 MeV; measured reaction σ . $^3,4\text{He}(p, p)$, E \approx 40 MeV; measured $\sigma(\theta)$. $^{40}\text{Ca}(^3\text{He}, ^3\text{He}')$, E=167 MeV; measured particle spectra. Modified attenuation technique for reaction cross section measurement. JOUR NIMAE 547 541
- 2005GI07 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 t+t and $\alpha+2n$ cluster configurations. $^1\text{H}(^6\text{He}, p)$, E=25 MeV / nucleon; measured $\sigma(\theta)$. $^3\text{He}(\alpha, \alpha)$, E(cm)=28.7 MeV; calculated $\sigma(\theta)$. SPEG spectrometer and MUST array at GANIL. DWBA and coupled-channels calculations. JOUR PRVCA 71 064311
- 2005KE05 NUCLEAR REACTIONS $^3\text{He}(n, n)$, E=low; measured coherent scattering length. JOUR JRNBA 110 241

A=3 (continued)

- 2005KLZZ NUCLEAR REACTIONS ^1H (polarized d, γ), E=29, 45 MeV; measured vector and tensor analyzing powers. Comparison with model predictions. PREPRINT nucl-ex/0509008,9/05/2005
- 2005MAZQ NUCLEAR REACTIONS ^{15}N (p, n), E=5.1 MeV; ^2H (d, n), E=3.0 MeV; measured neutron spectra, transmission through iron spheres. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P480
- 2005YA12 NUCLEAR REACTIONS ^6Li (^3He , $t^3\text{He}$), E=450 MeV; ^6Li (^7Li , $t^7\text{Be}$), E=455 MeV; measured particle spectra, angular correlations. ^6He , ^6Li , ^6Be deduced resonances. JOUR PRVCA 71 064316

A=4

- ^4n 2005CH50 NUCLEAR REACTIONS ^1H (^6He , p), (^6He , np), (^6He , p α), E=717 MeV / nucleon; ^1H (^8He , p), (^8He , np), (^8He , p α), E=671 MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. $^6,8\text{He}$ deduced cluster configurations, spectroscopic factors. JOUR NUPAB 759 43
- ^4He 2005CA29 NUCLEAR REACTIONS ^{12}C (p, X), E=180 MeV; ^{12}C (α , X), E=192.4 MeV; measured reaction σ . $^3,4\text{He}$ (p, p), E \approx 40 MeV; measured $\sigma(\theta)$. ^{40}Ca (^3He , $^3\text{He}'$), E=167 MeV; measured particle spectra. Modified attenuation technique for reaction cross section measurement. JOUR NIMAE 547 541
- 2005CR05 NUCLEAR REACTIONS ^7Li (p, α), E=30-100 keV; measured yields in various compounds; deduced electron screening effect, astrophysical S-factors. JOUR PYLBB 624 181
- 2005LA25 NUCLEAR REACTIONS ^6Li (^3He , p α), E=5, 6 MeV; measured E_p , E_α , angular correlations. ^3He (d, p), E=low; deduced astrophysical S-factor. JOUR NUPAB 758 98c
- 2005MIZU NUCLEAR REACTIONS ^4He (^{22}O , ^{23}F), (^{23}F , $^{23}\text{F}'$), (^{24}F , ^{23}F), E not given; measured E_γ , I_γ , $\gamma\gamma$ -coin, $\sigma(\theta)$. ^{23}F deduced levels, J, π . REPT CNS-REP-66,P26,Michimasa
- 2005MIZV NUCLEAR REACTIONS ^4He (^{22}O , ^{23}F), E \approx 35 MeV / nucleon; ^4He (^{23}F , $^{23}\text{F}'$), E \approx 41.5 MeV / nucleon; ^4He (^{24}F , ^{23}F), E \approx 36 MeV / nucleon; measured E_γ , I_γ , $\gamma\gamma$ -, (particle) γ -coin, angular distributions. ^{23}F deduced levels, J, π . REPT RIKEN 2004 Annual,P51,Michimasa
- 2005PA39 NUCLEAR REACTIONS ^1H , ^4He (polarized e, e), E=3 GeV; measured parity-violating asymmetries; deduced strange form factor limits. JOUR NUPAB 755 241c
- 2005RI13 NUCLEAR REACTIONS ^6Li (d, pt), E=14 MeV; measured particle spectra, angular correlations. ^2H (d, p), E \approx 50-2000 keV; deduced S-factors. Trojan horse method, comparison with previous results. JOUR NUPAB 758 146c
- 2005SIZY NUCLEAR REACTIONS ^{238}U (n, nX), E=14 MeV; measured E_n , $\sigma(E, \theta)$. ^3H (d, n), E not given; measured neutron leakage spectrum from uranium sphere. Comparison with evaluated data. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P67
- 2005UEZZ NUCLEAR REACTIONS ^4He (polarized d, d), E=140, 270 MeV; measured $\sigma(\theta)$, tensor analyzing powers. REPT RIKEN 2004 Annual,P35,Uesaka

A=5

- ⁵H 2005G0ZY NUCLEAR REACTIONS ³H(t, p), E=57.7 MeV; measured particle spectra, angular correlations following residual nucleus decay. ⁵H deduced ground-state energy, width, configuration. Cyclotron, mass-separator. CONF St Petersburg,P124,Golovkov
- ⁵He 2005CH50 NUCLEAR REACTIONS ¹H(⁶He, p), (⁶He, np), (⁶He, pα), E=717 MeV / nucleon; ¹H(⁸He, p), (⁸He, np), (⁸He, pα), E=671 MeV / nucleon; measured recoil proton spectra, σ(E, θ). ^{6,8}He deduced cluster configurations, spectroscopic factors. JOUR NUPAB 759 43
- 2005KA23 NUCLEAR REACTIONS ⁶Li, ¹²C(π⁺, K⁺), (π⁺, pX), E at 1.05 GeV / c; measured excitation energy spectra, proton spectra following hypernucleus decay. ⁵He deduced hypernucleus decay width. JOUR NUPAB 754 173c
- 2005MA45 RADIOACTIVITY ⁵He, ¹¹B, ¹²C; measured proton decay asymmetry parameters from polarized hypernuclei. JOUR NUPAB 754 168c
- 2005MIZU NUCLEAR REACTIONS ⁴He(²²O, ²³F), (²³F, ²³F'), (²⁴F, ²³F), E not given; measured Eγ, Iγ, γγ-coin, σ(θ). ²³F deduced levels, J, π. REPT CNS-REP-66,P26,Michimasa
- 2005MIZV NUCLEAR REACTIONS ⁴He(²²O, ²³F), E ≈ 35 MeV / nucleon; ⁴He(²³F, ²³F'), E ≈ 41.5 MeV / nucleon; ⁴He(²⁴F, ²³F), E ≈ 36 MeV / nucleon; measured Eγ, Iγ, γγ-, (particle)γ-coin, angular distributions. ²³F deduced levels, J, π. REPT RIKEN 2004 Annual,P51,Michimasa
- 20050K04 NUCLEAR REACTIONS ⁶Li, ¹²C(π⁺, K⁺), E at 1.05 GeV / c; measured excitation energy spectra, γ-spectra from neutral pion decay. ⁵He, ¹²C deduced hypernucleus decay branching ratios. JOUR NUPAB 754 178c
- 20050U02 NUCLEAR REACTIONS ⁶Li, ¹²C(π⁺, K⁺), E not given; measured hypernucleus excitation energy spectra, nn-, np-coin following hypernucleus decay. ⁵He, ¹²C deduced hypernucleus decay widths, branching ratios. JOUR NUPAB 754 157c
- 2005PAZY NUCLEAR REACTIONS ⁶Li(d, ³He), ⁷Li(d, α), E=14.5 MeV; measured particle spectra, angular distributions. ⁵He deduced excited state energy, width. CONF St Petersburg,P179,Pavlenko

A=6

- ⁶He 2005CH49 NUCLEAR REACTIONS Pb(⁶He, 2nα), E=240 MeV / nucleon; measured Eα, En, three-body energy and angular correlations; deduced role of final state interactions, other reaction mechanism features. ⁶He deduced possible resonance. JOUR NUPAB 759 23
- 2005CH50 NUCLEAR REACTIONS ¹H(⁶He, p), (⁶He, np), (⁶He, pα), E=717 MeV / nucleon; ¹H(⁸He, p), (⁸He, np), (⁸He, pα), E=671 MeV / nucleon; measured recoil proton spectra, σ(E, θ). ^{6,8}He deduced cluster configurations, spectroscopic factors. JOUR NUPAB 759 43

A=6 (continued)

- 2005GI07 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 $t+t$ and $\alpha+2n$ cluster configurations. $^1\text{H}(^6\text{He}, p)$, $E=25$ MeV / nucleon; measured $\sigma(\theta)$. $^3\text{He}(\alpha, \alpha)$, $E(\text{cm})=28.7$ MeV; calculated $\sigma(\theta)$. SPEG spectrometer and MUST array at GANIL. DWBA and coupled-channels calculations. JOUR PRVCA 71 064311
- 2005SM04 RADIOACTIVITY $^6\text{He}(\beta^-)$ [from $^7\text{Li}(p, 2p)$]; measured β -delayed deuteron and α spectra; deduced branching ratio. JOUR NIMAE 547 480
- 2005YA12 NUCLEAR REACTIONS $^6\text{Li}(^3\text{He}, t^3\text{He})$, $E=450$ MeV; $^6\text{Li}(^7\text{Li}, t^7\text{Be})$, $E=455$ MeV; measured particle spectra, angular correlations. ^6He , ^6Li , ^6Be deduced resonances. JOUR PRVCA 71 064316
- ^6Li 2005GEZZ NUCLEAR REACTIONS $^9\text{Be}(p, \alpha)$, $E=3.1-5.24$ MeV; measured σ . CONF St Petersburg, P171, Generalov
- 2005SM04 RADIOACTIVITY $^6\text{He}(\beta^-)$ [from $^7\text{Li}(p, 2p)$]; measured β -delayed deuteron and α spectra; deduced branching ratio. JOUR NIMAE 547 480
- 2005VA27 NUCLEAR MOMENTS $^{6,7}\text{Li}$; measured hfs. JOUR CJPHA 83 327
- 2005WAZW NUCLEAR REACTIONS $\text{Si}(^6\text{Li}, X)$, $(^7\text{Be}, X)$, $(^{10}\text{B}, X)$, $(^9\text{C}, X)$, $(^{10}\text{C}, X)$, $(^{11}\text{C}, X)$, $(^{12}\text{N}, X)$, $(^{13}\text{O}, X)$, $(^{15}\text{O}, X)$, $(^{17}\text{Ne}, X)$, $E=15-53$ MeV / nucleon; measured reaction and proton-removal σ . ^6Li , ^7Be , ^{10}B , $^{9,10,11}\text{C}$, ^{12}N , $^{13,15}\text{O}$, ^{17}Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005
- 2005YA12 NUCLEAR REACTIONS $^6\text{Li}(^3\text{He}, t^3\text{He})$, $E=450$ MeV; $^6\text{Li}(^7\text{Li}, t^7\text{Be})$, $E=455$ MeV; measured particle spectra, angular correlations. ^6He , ^6Li , ^6Be deduced resonances. JOUR PRVCA 71 064316
- ^6Be 2005YA12 NUCLEAR REACTIONS $^6\text{Li}(^3\text{He}, t^3\text{He})$, $E=450$ MeV; $^6\text{Li}(^7\text{Li}, t^7\text{Be})$, $E=455$ MeV; measured particle spectra, angular correlations. ^6He , ^6Li , ^6Be deduced resonances. JOUR PRVCA 71 064316

A=7

- ^7H 2005GUZZ NUCLEAR REACTIONS $^9\text{Be}(\pi^-, 2pX)$, E not given; measured charged particle spectra. ^7H deduced level energies, widths. Multilayer semiconductor spectrometer, LEP channel of LAMPF. CONF St Petersburg, P139, Gurov
- ^7He 2005CH50 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, p)$, $(^6\text{He}, np)$, $(^6\text{He}, p\alpha)$, $E=717$ MeV / nucleon; $^1\text{H}(^8\text{He}, p)$, $(^8\text{He}, np)$, $(^8\text{He}, p\alpha)$, $E=671$ MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. $^{6,8}\text{He}$ deduced cluster configurations, spectroscopic factors. JOUR NUPAB 759 43
- 2005SK03 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, p)$, $(^8\text{He}, d)$, $E=15.7$ MeV / nucleon; measured deuteron and proton spectra, $\sigma(\theta)$. $^8\text{He}(p, p)$, $E=15.7$ MeV / nucleon; deduced effect of coupling to pickup reaction. Coupled-channels framework, dynamic polarization potential. JOUR PYLBB 619 82

A=7 (*continued*)

- ⁷Li 2005B036 NUCLEAR REACTIONS ¹H(⁶He, γ), E < 24 MeV; measured E γ , I γ ; deduced IAS formation σ , $\sigma(\theta)$. ⁷Li deduced resonance parameters. Doppler-shift analysis technique. JOUR PRLTA 95 132502
- 2005FU13 RADIOACTIVITY ⁷Be(EC) [from ⁷Li(p, n)]; measured T_{1/2} for source implanted in metals; deduced no environmental effect. JOUR NUPAB 758 697c
- 2005GIZY NUCLEAR REACTIONS ¹⁰B(n, α), E=1.5-5.6 MeV; measured E α , σ ratio, excitation function. Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P816
- 2005MI20 NUCLEAR REACTIONS ⁷Li, ⁹Be, ^{10,11}B, ¹²C(K⁻, X), E at rest; measured E γ , I γ . ⁷Li deduced hypernucleus transition. Hyperball array. JOUR NUPAB 754 80c
- 2005RAZZ RADIOACTIVITY ⁷Be(EC); measured E γ , I γ , T_{1/2} for source implanted in C₆₀ and gold foil; deduced environmental effect. PREPRINT nucl-ex/0509021,9/15/2005
- 2005TA19 NUCLEAR REACTIONS ¹⁰B, ¹⁶O(K⁻, π^-), E at 0.93 GeV / c; ¹¹B(π^+ , K⁺), E at 1.05 GeV / c; ⁷Li, ¹⁰B(K⁻, γ), E at rest; measured E γ , I γ . ⁷Li, ⁹Be, ^{10,11}B, ¹⁶O deduced hypernucleus levels, J, π . Hyperball array. JOUR NUPAB 754 58c
- ⁷Be 2005VA27 NUCLEAR MOMENTS ^{6,7}Li; measured hfs. JOUR CJPHA 83 327
- 2005BAZU NUCLEAR REACTIONS C, W(p, nX), (d, nX), E=50, 70 MeV; Li(d, nX), E=40 MeV; measured neutron spectra, $\sigma(E, \theta)$, thick target yields. Li(d, X)⁷Be, E \approx 10-40 MeV; measured production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P884
- 2005FU13 RADIOACTIVITY ⁷Be(EC) [from ⁷Li(p, n)]; measured T_{1/2} for source implanted in metals; deduced no environmental effect. JOUR NUPAB 758 697c
- 2005NA32 NUCLEAR REACTIONS ⁴He(³He, γ), E=1000-2300 keV; measured σ ; deduced astrophysical S-factors. JOUR NUPAB 758 689c
- 2005RAZZ RADIOACTIVITY ⁷Be(EC); measured E γ , I γ , T_{1/2} for source implanted in C₆₀ and gold foil; deduced environmental effect. PREPRINT nucl-ex/0509021,9/15/2005
- 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ . Comparison with model predictions. PREPRINT nucl-ex/0507009,7/05/2005
- 2005WAZW NUCLEAR REACTIONS Si(⁶Li, X), (⁷Be, X), (¹⁰B, X), (⁹C, X), (¹⁰C, X), (¹¹C, X), (¹²N, X), (¹³O, X), (¹⁵O, X), (¹⁷Ne, X), E=15-53 MeV / nucleon; measured reaction and proton-removal σ . ⁶Li, ⁷Be, ¹⁰B, ^{9,10,11}C, ¹²N, ^{13,15}O, ¹⁷Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=8

- ⁸He 2005CH50 NUCLEAR REACTIONS ¹H(⁶He, p), (⁶He, np), (⁶He, pα), E=717 MeV / nucleon; ¹H(⁸He, p), (⁸He, np), (⁸He, pα), E=671 MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. ^{6,8}He deduced cluster configurations, spectroscopic factors. JOUR NUPAB 759 43
- 2005SK03 NUCLEAR REACTIONS ¹H(⁸He, p), (⁸He, d), E=15.7 MeV / nucleon; measured deuteron and proton spectra, $\sigma(\theta)$. ⁸He(p, p), E=15.7 MeV / nucleon; deduced effect of coupling to pickup reaction. Coupled-channels framework, dynamic polarization potential. JOUR PYLBB 619 82
- ⁸Li 2005MU26 RADIOACTIVITY ^{8,9}Li(β^-) [from C(¹²C, X)]; measured E γ , $\beta\gamma$ -coin. ⁹Be levels deduced decay widths. Application to triple radiative capture discussed. JOUR NUPAB 758 647c
- ⁸Be 2005AN23 NUCLEAR REACTIONS ²H(⁷Be, p), E=1.71, 5.545 MeV; measured proton spectra. JOUR NUPAB 758 775c
- 2005AS04 NUCLEAR REACTIONS ¹²C(¹⁰Be, 2 α), (¹⁰Be, n2 α), E=30 MeV / nucleon; measured En, E α , relative energy spectra, $\sigma(E)$. ^{8,9}Be deduced levels, J, π . Kinematically complete measurement. JOUR PRVCA 72 024314
- 2005MU26 RADIOACTIVITY ^{8,9}Li(β^-) [from C(¹²C, X)]; measured E γ , $\beta\gamma$ -coin. ⁹Be levels deduced decay widths. Application to triple radiative capture discussed. JOUR NUPAB 758 647c
- ⁸B 2005LI40 NUCLEAR REACTIONS ²H(⁷Be, n), (¹¹C, n), (⁸Li, p), E \approx 5.8-9.8 MeV; measured $\sigma(\theta)$, total σ ; deduced astrophysical S-factors. JOUR NUPAB 758 110c
- 2005SCZX NUCLEAR REACTIONS ²⁰⁸Pb(⁸B, p⁷Be), E=254 MeV / nucleon; measured fragment spectra, angular correlations. ⁷Be(p, γ), E=low; deduced astrophysical S-factor. PREPRINT nucl-ex/0508014,08/11/2005

A=9

- ⁹Li 2005LI35 NUCLEAR REACTIONS ²H(⁸Li, p), E(cm)=7.8 MeV; measured $\sigma(\theta)$; deduced asymptotic normalization coefficients. ⁹C deduced radius, density distributions, halo structure. JOUR CPLEE 22 1870
- 2005LI40 NUCLEAR REACTIONS ²H(⁷Be, n), (¹¹C, n), (⁸Li, p), E \approx 5.8-9.8 MeV; measured $\sigma(\theta)$, total σ ; deduced astrophysical S-factors. JOUR NUPAB 758 110c
- 2005MU26 RADIOACTIVITY ^{8,9}Li(β^-) [from C(¹²C, X)]; measured E γ , $\beta\gamma$ -coin. ⁹Be levels deduced decay widths. Application to triple radiative capture discussed. JOUR NUPAB 758 647c
- ⁹Be 2005AS04 NUCLEAR REACTIONS ¹²C(¹⁰Be, 2 α), (¹⁰Be, n2 α), E=30 MeV / nucleon; measured En, E α , relative energy spectra, $\sigma(E)$. ^{8,9}Be deduced levels, J, π . Kinematically complete measurement. JOUR PRVCA 72 024314
- 2005MU26 RADIOACTIVITY ^{8,9}Li(β^-) [from C(¹²C, X)]; measured E γ , $\beta\gamma$ -coin. ⁹Be levels deduced decay widths. Application to triple radiative capture discussed. JOUR NUPAB 758 647c

A=9 (continued)

- 2005TA19 NUCLEAR REACTIONS ^{10}B , $^{16}\text{O}(\text{K}^-, \pi^-)$, E at 0.93 GeV / c; $^{11}\text{B}(\pi^+, \text{K}^+)$, E at 1.05 GeV / c; ^7Li , $^{10}\text{B}(\text{K}^-, \gamma)$, E at rest; measured $E\gamma$, $I\gamma$. ^7Li , ^9Be , $^{10,11}\text{B}$, ^{16}O deduced hypernucleus levels, J, π . Hyperball array. JOUR NUPAB 754 58c
- 2005WAZX NUCLEAR REACTIONS $^{12}\text{C}(\text{polarized } \gamma, \text{pd})$, E=170-350 MeV; measured deuteron and proton spectra, polarization asymmetry; deduced reaction mechanism features. Tagged photons. PREPRINT nucl-ex/0506018,6/14/2005
- ^9C 2005LI35 NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, \text{p})$, E(cm)=7.8 MeV; measured $\sigma(\theta)$; deduced asymptotic normalization coefficients. ^9C deduced radius, density distributions, halo structure. JOUR CPLEE 22 1870
- 2005WAZW NUCLEAR REACTIONS $\text{Si}(^6\text{Li}, \text{X})$, $(^7\text{Be}, \text{X})$, $(^{10}\text{B}, \text{X})$, $(^9\text{C}, \text{X})$, $(^{10}\text{C}, \text{X})$, $(^{11}\text{C}, \text{X})$, $(^{12}\text{N}, \text{X})$, $(^{13}\text{O}, \text{X})$, $(^{15}\text{O}, \text{X})$, $(^{17}\text{Ne}, \text{X})$, E=15-53 MeV / nucleon; measured reaction and proton-removal σ . ^6Li , ^7Be , ^{10}B , $^{9,10,11}\text{C}$, ^{12}N , $^{13,15}\text{O}$, ^{17}Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=10

- ^{10}Be 2005SCZW NUCLEAR REACTIONS $\text{Pb}(\text{p}, \text{X})^{10}\text{Be}$ / ^{26}Al / ^{129}I / ^{36}Cl , E=200-2600 MeV; measured excitation functions. Stacked foil activation, chemical separation. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1517
- 2005TA19 NUCLEAR REACTIONS ^{10}B , $^{16}\text{O}(\text{K}^-, \pi^-)$, E at 0.93 GeV / c; $^{11}\text{B}(\pi^+, \text{K}^+)$, E at 1.05 GeV / c; ^7Li , $^{10}\text{B}(\text{K}^-, \gamma)$, E at rest; measured $E\gamma$, $I\gamma$. ^7Li , ^9Be , $^{10,11}\text{B}$, ^{16}O deduced hypernucleus levels, J, π . Hyperball array. JOUR NUPAB 754 58c
- ^{10}B 2005BE43 NUCLEAR REACTIONS $^{10}\text{B}(\text{polarized p}, \text{p})$, $(\text{polarized p}, \text{p}')$, E=197 MeV; measured $\sigma(E, \theta)$, analyzing power, polarization transfer coefficients. Comparison with model predictions. JOUR PRVCA 71 064607
- 2005GL05 NUCLEAR REACTIONS $^{12}\text{C}(\gamma, \pi^- \text{p})$, $(\gamma, \pi^- 2\text{p})$, E=500 MeV bremsstrahlung; measured $E\text{p}$, pion spectra, $\sigma(E, \theta)$; deduced reaction mechanism features. JOUR PZETA 81 546
- 2005SUZV NUCLEAR REACTIONS $^{12}\text{C}(\text{polarized d}, \alpha)$, E=130, 180 MeV; measured $E\alpha$, asymmetry; deduced beam polarization. $^1\text{H}(\text{polarized d}, \text{d})$, E=130, 180 MeV; measured analyzing powers. REPT CNS-REP-66, P34, Suda
- 2005TA19 NUCLEAR REACTIONS ^{10}B , $^{16}\text{O}(\text{K}^-, \pi^-)$, E at 0.93 GeV / c; $^{11}\text{B}(\pi^+, \text{K}^+)$, E at 1.05 GeV / c; ^7Li , $^{10}\text{B}(\text{K}^-, \gamma)$, E at rest; measured $E\gamma$, $I\gamma$. ^7Li , ^9Be , $^{10,11}\text{B}$, ^{16}O deduced hypernucleus levels, J, π . Hyperball array. JOUR NUPAB 754 58c
- 2005WAZW NUCLEAR REACTIONS $\text{Si}(^6\text{Li}, \text{X})$, $(^7\text{Be}, \text{X})$, $(^{10}\text{B}, \text{X})$, $(^9\text{C}, \text{X})$, $(^{10}\text{C}, \text{X})$, $(^{11}\text{C}, \text{X})$, $(^{12}\text{N}, \text{X})$, $(^{13}\text{O}, \text{X})$, $(^{15}\text{O}, \text{X})$, $(^{17}\text{Ne}, \text{X})$, E=15-53 MeV / nucleon; measured reaction and proton-removal σ . ^6Li , ^7Be , ^{10}B , $^{9,10,11}\text{C}$, ^{12}N , $^{13,15}\text{O}$, ^{17}Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=10 (continued)

- ¹⁰C 2005J012 NUCLEAR REACTIONS ¹H(¹⁰C, ¹⁰C), (¹⁰C, ¹⁰C'), E=45.3 MeV / nucleon; ¹H(¹¹C, ¹¹C), (¹¹C, ¹¹C'), E=40.6 MeV / nucleon; ¹H(¹²C, ¹²C), (¹²C, ¹²C'), E=36.3 MeV / nucleon; measured elastic and inelastic $\sigma(\theta)$. ^{10,11}C deduced radii, transition matrix elements. JOUR PRVCA 72 014308
- 2005SA44 RADIOACTIVITY ⁴⁶V(EC); analyzed masses; deduced Q(EC), log ft. ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁷⁴Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501
- 2005WAZW NUCLEAR REACTIONS Si(⁶Li, X), (⁷Be, X), (¹⁰B, X), (⁹C, X), (¹⁰C, X), (¹¹C, X), (¹²N, X), (¹³O, X), (¹⁵O, X), (¹⁷Ne, X), E=15-53 MeV / nucleon; measured reaction and proton-removal σ . ⁶Li, ⁷Be, ¹⁰B, ^{9,10,11}C, ¹²N, ^{13,15}O, ¹⁷Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=11

- ¹¹B 2005BU33 NUCLEAR REACTIONS ¹¹B(α , α), (α , α'), E=40, 50 MeV; measured $E\alpha$, elastic and inelastic $\sigma(\theta)$; deduced optical model parameters. ¹¹B deduced spectroscopic factors, deformation parameters. JOUR YAFIA 68 1356
- 2005KAZV NUCLEAR REACTIONS ¹¹B(polarized d, d), (polarized d, d'), E=200 MeV; measured $\sigma(E, \theta)$. ¹¹B deduced levels, B(E2). Comparison with model predictions. REPT CNS-REP-66,P40,Kawabata
- 2005MA45 RADIOACTIVITY ⁵He, ¹¹B, ¹²C; measured proton decay asymmetry parameters from polarized hypernuclei. JOUR NUPAB 754 168c
- 2005MI19 NUCLEAR REACTIONS ¹¹B(π^+ , K^+), E not given; measured $E\gamma$, $I\gamma$, DSA. ¹¹B deduced hypernucleus transitions. Hyperball array, comparison with model predictions. JOUR NUPAB 754 75c
- 2005NIZU NUCLEAR REACTIONS ⁴He(⁸Li, n), E(cm) \approx 0.5 MeV; measured particle spectra. REPT CNS-REP-66,P9,Nishimura
- 2005TA19 NUCLEAR REACTIONS ¹⁰B, ¹⁶O(K^- , π^-), E at 0.93 GeV / c; ¹¹B(π^+ , K^+), E at 1.05 GeV / c; ⁷Li, ¹⁰B(K^- , γ), E at rest; measured $E\gamma$, $I\gamma$. ⁷Li, ⁹Be, ^{10,11}B, ¹⁶O deduced hypernucleus levels, J, π . Hyperball array. JOUR NUPAB 754 58c
- ¹¹C 2005GL05 NUCLEAR REACTIONS ¹²C(γ , π^- p), (γ , π^- 2p), E=500 MeV bremsstrahlung; measured E_p , pion spectra, $\sigma(E, \theta)$; deduced reaction mechanism features. JOUR PZETA 81 546
- 2005J012 NUCLEAR REACTIONS ¹H(¹⁰C, ¹⁰C), (¹⁰C, ¹⁰C'), E=45.3 MeV / nucleon; ¹H(¹¹C, ¹¹C), (¹¹C, ¹¹C'), E=40.6 MeV / nucleon; ¹H(¹²C, ¹²C), (¹²C, ¹²C'), E=36.3 MeV / nucleon; measured elastic and inelastic $\sigma(\theta)$. ^{10,11}C deduced radii, transition matrix elements. JOUR PRVCA 72 014308
- 2005WAZW NUCLEAR REACTIONS Si(⁶Li, X), (⁷Be, X), (¹⁰B, X), (⁹C, X), (¹⁰C, X), (¹¹C, X), (¹²N, X), (¹³O, X), (¹⁵O, X), (¹⁷Ne, X), E=15-53 MeV / nucleon; measured reaction and proton-removal σ . ⁶Li, ⁷Be, ¹⁰B, ^{9,10,11}C, ¹²N, ^{13,15}O, ¹⁷Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=12

- ^{12}Be 2005IMZZ NUCLEAR REACTIONS $^{197}\text{Au}(^{12}\text{Be}, ^{12}\text{Be}')$, $E=40.3$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, DSA following projectile Coulomb excitation. ^{12}Be deduced transition. REPT RIKEN 2004 Annual,P41,Imai
- ^{12}C 2005AG09 NUCLEAR REACTIONS $^{6,7}\text{Li}, ^{12}\text{C}, ^{27}\text{Al}, ^{51}\text{V}(\text{K}^-, \pi^- \text{X})$, E at rest; measured hypernucleus production associated mass spectra; deduced hypernucleus decay features. ^{12}C deduced hypernucleus ground and excited state energies. JOUR NUPAB 754 399c
- 2005AG11 NUCLEAR REACTIONS $^{12}\text{C}(\text{K}^-, \pi^-)$, E at rest; measured hypernucleus production associated excitation energy spectra. ^{12}C deduced hyperon binding energies. JOUR PYLBB 622 35
- 2005B022 NUCLEAR REACTIONS $^{12}\text{C}(^3\text{He}, \text{t}\pi^+)$, $E=2$ GeV; $^{12}\text{C}(^{12}\text{C}, ^{12}\text{N}\pi^-)$, $E=1.1$ GeV / nucleon; measured $\sigma(E, \theta)$. JOUR NUPAB 755 507c
- 2005KA23 NUCLEAR REACTIONS $^6\text{Li}, ^{12}\text{C}(\pi^+, \text{K}^+)$, (π^+, pX) , E at 1.05 GeV / c; measured excitation energy spectra, proton spectra following hypernucleus decay. ^5He deduced hypernucleus decay width. JOUR NUPAB 754 173c
- 2005MA45 RADIOACTIVITY $^5\text{He}, ^{11}\text{B}, ^{12}\text{C}$; measured proton decay asymmetry parameters from polarized hypernuclei. JOUR NUPAB 754 168c
- 2005OK04 NUCLEAR REACTIONS $^6\text{Li}, ^{12}\text{C}(\pi^+, \text{K}^+)$, E at 1.05 GeV / c; measured excitation energy spectra, γ -spectra from neutral pion decay. $^5\text{He}, ^{12}\text{C}$ deduced hypernucleus decay branching ratios. JOUR NUPAB 754 178c
- 2005OU02 NUCLEAR REACTIONS $^6\text{Li}, ^{12}\text{C}(\pi^+, \text{K}^+)$, E not given; measured hypernucleus excitation energy spectra, nn-, np-coin following hypernucleus decay. $^5\text{He}, ^{12}\text{C}$ deduced hypernucleus decay widths, branching ratios. JOUR NUPAB 754 157c
- 2005R029 NUCLEAR REACTIONS $^{12}\text{C}(\text{polarized n}, \text{n})$, $E=2.2-8.5$ MeV; measured $A_y(\theta)$. Comparison with previous data and model predictions. JOUR PRVCA 72 024605
- 2005SAZX NUCLEAR REACTIONS $^{12}\text{C}(^{24}\text{Mg}, ^{20}\text{Ne})$, $(^{24}\text{Mg}, ^{212}\text{C})$, $E=130$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ^- , (particle)(particle)-coin. ^{16}O deduced transitions, branching ratio. Euroball IV array. CONF Bormio (XLIII Winter Meeting) Proc,P224
- ^{12}N 2005LI40 NUCLEAR REACTIONS $^2\text{H}(^7\text{Be}, \text{n})$, $(^{11}\text{C}, \text{n})$, $(^8\text{Li}, \text{p})$, $E \approx 5.8-9.8$ MeV; measured $\sigma(\theta)$, total σ ; deduced astrophysical S-factors. JOUR NUPAB 758 110c
- 2005WAZW NUCLEAR REACTIONS $\text{Si}(^6\text{Li}, \text{X})$, $(^7\text{Be}, \text{X})$, $(^{10}\text{B}, \text{X})$, $(^9\text{C}, \text{X})$, $(^{10}\text{C}, \text{X})$, $(^{11}\text{C}, \text{X})$, $(^{12}\text{N}, \text{X})$, $(^{13}\text{O}, \text{X})$, $(^{15}\text{O}, \text{X})$, $(^{17}\text{Ne}, \text{X})$, $E=15-53$ MeV / nucleon; measured reaction and proton-removal σ . $^6\text{Li}, ^7\text{Be}, ^{10}\text{B}, ^9,^{10},^{11}\text{C}, ^{12}\text{N}, ^{13},^{15}\text{O}, ^{17}\text{Ne}$ deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=13

- ^{13}B 2005GEZY NUCLEAR REACTIONS $^{11}\text{B}(\text{t}, \text{p})$, $E=2.6-7$ MeV; measured σ . CONF St Petersburg,P172,Generalov

A=13 (continued)

- 2005GEZY RADIOACTIVITY $^{13}\text{B}(\beta^-)$ [from $^{11}\text{B}(t, p)$]; measured $T_{1/2}$. CONF St Petersburg,P172,Generalov
- ^{13}C 2005AN15 NUCLEAR MOMENTS ^{13}C , $^{14,15}\text{N}$, ^{17}O , ^{19}F , ^{31}P , ^{33}S ; measured NMR spectra; deduced μ . JOUR CHPLB 411 111
- 2005AS04 NUCLEAR REACTIONS $^{12}\text{C}(^{10}\text{Be}, 2\alpha)$, $(^{10}\text{Be}, n2\alpha)$, $E=30$ MeV / nucleon; measured E_n , E_α , relative energy spectra, $\sigma(E)$. $^{8,9}\text{Be}$ deduced levels, J , π . Kinematically complete measurement. JOUR PRVCA 72 024314
- 2005GEZY RADIOACTIVITY $^{13}\text{B}(\beta^-)$ [from $^{11}\text{B}(t, p)$]; measured $T_{1/2}$. CONF St Petersburg,P172,Generalov
- ^{13}N 2005TEZX NUCLEAR REACTIONS $^1\text{H}(^{13}\text{N}, p)$, $E=3.7$ MeV / nucleon; measured recoil proton spectra. ^{14}O deduced resonance energies. REPT CNS-REP-66,P5,Teranishi
- ^{13}O 2005WAZW NUCLEAR REACTIONS $\text{Si}(^6\text{Li}, X)$, $(^7\text{Be}, X)$, $(^{10}\text{B}, X)$, $(^9\text{C}, X)$, $(^{10}\text{C}, X)$, $(^{11}\text{C}, X)$, $(^{12}\text{N}, X)$, $(^{13}\text{O}, X)$, $(^{15}\text{O}, X)$, $(^{17}\text{Ne}, X)$, $E=15-53$ MeV / nucleon; measured reaction and proton-removal σ . ^6Li , ^7Be , ^{10}B , $^{9,10,11}\text{C}$, ^{12}N , $^{13,15}\text{O}$, ^{17}Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=14

- ^{14}C 2005AS04 NUCLEAR REACTIONS $^{12}\text{C}(^{10}\text{Be}, 2\alpha)$, $(^{10}\text{Be}, n2\alpha)$, $E=30$ MeV / nucleon; measured E_n , E_α , relative energy spectra, $\sigma(E)$. $^{8,9}\text{Be}$ deduced levels, J , π . Kinematically complete measurement. JOUR PRVCA 72 024314
- 2005G030 NUCLEAR REACTIONS $^{14}\text{C}(\alpha, \alpha)$, $E=16.3-19.2$ MeV; measured $\sigma(\theta)$, excitation function. ^{18}O deduced levels, J , π , α -cluster states. JOUR YAFIA 68 1123
- 2005PA41 NUCLEAR REACTIONS $^{16}\text{O}(n, ^3\text{He})$, (n, t) , $E=15.4-18.1$ MeV; measured activation σ . Accelerator mass spectrometry. JOUR KPSJA 47 23
- ^{14}N 2005AN15 NUCLEAR MOMENTS ^{13}C , $^{14,15}\text{N}$, ^{17}O , ^{19}F , ^{31}P , ^{33}S ; measured NMR spectra; deduced μ . JOUR CHPLB 411 111
- 2005CH44 NUCLEAR REACTIONS $^{14}\text{N}(\alpha, \gamma)$, $E=1775$ keV; measured E_γ , I_γ . $^{17,18}\text{O}(p, \alpha)$, $E \approx 190-205$ keV; measured E_α , σ , $\sigma(\theta)$; deduced resonance parameters. Astrophysical implications discussed. JOUR PRLTA 95 031101
- 2005PA41 NUCLEAR REACTIONS $^{16}\text{O}(n, ^3\text{He})$, (n, t) , $E=15.4-18.1$ MeV; measured activation σ . Accelerator mass spectrometry. JOUR KPSJA 47 23
- ^{14}O 2005BAZP NUCLEAR REACTIONS $^4\text{He}(^{14}\text{O}, X)$, $E=60$ MeV / nucleon; measured particle spectra, $\sigma(E, \theta)$. ^{14}O deduced E_0 and E_1 strength distributions. REPT CNS-REP-66,P28,Baba
- 2005BAZQ NUCLEAR REACTIONS $\text{He}(^{14}\text{O}, X)$, $E=60$ MeV / nucleon; measured particle spectra; deduced excitation energy spectrum. ^{14}O deduced electric multipole strength distributions. REPT RIKEN 2004 Annual,P48,Baba

A=14 (continued)

- 2005SA44 RADIOACTIVITY $^{46}\text{V}(\text{EC})$; analyzed masses; deduced $Q(\text{EC})$, log ft. ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{74}Rb ; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501
- 2005TEZX NUCLEAR REACTIONS $^1\text{H}(^{13}\text{N}, \text{p})$, $E=3.7$ MeV / nucleon; measured recoil proton spectra. ^{14}O deduced resonance energies. REPT CNS-REP-66,P5,Teranishi

A=15

- ^{15}C 2005RE22 NUCLEAR REACTIONS $^{14}\text{C}(\text{n}, \gamma)$, $E=30, 150, 500$ keV; measured σ . Fast cyclic activation technique. JOUR NUPAB 758 787c
- ^{15}N 2005AN15 NUCLEAR MOMENTS ^{13}C , $^{14,15}\text{N}$, ^{17}O , ^{19}F , ^{31}P , ^{33}S ; measured NMR spectra; deduced μ . JOUR CHPLB 411 111
- 2005CH44 NUCLEAR REACTIONS $^{14}\text{N}(\alpha, \gamma)$, $E=1775$ keV; measured $E\gamma$, $I\gamma$. $^{17,18}\text{O}(\text{p}, \alpha)$, $E \approx 190-205$ keV; measured $E\alpha$, σ , $\sigma(\theta)$; deduced resonance parameters. Astrophysical implications discussed. JOUR PRLTA 95 031101
- 2005DE45 NUCLEAR REACTIONS $^2\text{H}(^{18}\text{F}, \text{p}\alpha)$, E not given; measured excitation energy spectrum. ^{19}F level deduced spectroscopic factor. $^{18}\text{F}(\text{p}, \alpha)$, $E(\text{cm})=0-1$ MeV; calculated astrophysical S-factor. JOUR NUPAB 758 745c
- 2005KI11 NUCLEAR REACTIONS $^{16}\text{O}(\text{K}^-, \text{n})$, (K^-, nX) , E at 0.93 GeV / c; measured neutron spectra; deduced kaonic nuclei. JOUR NUPAB 754 383c
- 2005SAZU NUCLEAR REACTIONS $^{14}\text{N}(\text{n}, \gamma)$, $E=\text{thermal}$; measured prompt $E\gamma$, $I\gamma$; deduced capture σ . Pair spectrometer, spectrum unfolding procedure. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1000
- ^{15}O 2005BA82 NUCLEAR REACTIONS $^1\text{H}(^{18}\text{F}, \text{p})$, $E(\text{cm}) \approx 0.3-1.3$ MeV; measured proton spectra, $\sigma(\theta)$, excitation functions. ^{19}Ne deduced resonance parameters, excited state energy, J , π . $^{18}\text{F}(\text{p}, \alpha)$, (p, γ) , $E=\text{low}$; calculated astrophysical reaction rates. JOUR NUPAB 758 737c
- 2005C016 NUCLEAR REACTIONS $^{14}\text{N}(\text{p}, \gamma)$, $E=\text{low}$; measured $E\gamma$, $I\gamma$; deduced S-factors. JOUR NUPAB 758 383c
- 2005DE45 NUCLEAR REACTIONS $^2\text{H}(^{18}\text{F}, \text{p}\alpha)$, E not given; measured excitation energy spectrum. ^{19}F level deduced spectroscopic factor. $^{18}\text{F}(\text{p}, \alpha)$, $E(\text{cm})=0-1$ MeV; calculated astrophysical S-factor. JOUR NUPAB 758 745c
- 2005IMZY NUCLEAR REACTIONS $^{14}\text{N}(\text{p}, \gamma)$, $E(\text{cm})=119-367$ keV; measured $E\gamma$, $I\gamma$, excitation functions; deduced astrophysical S-factors, reaction rates. PREPRINT nucl-ex/0509005,9/01/2005
- 2005K031 NUCLEAR REACTIONS $^2\text{H}(^{18}\text{F}, \text{p})$, $E=108.49$ MeV; measured particle spectra, $\sigma(\theta)$. ^{19}F levels deduced spectroscopic factors. $^{18}\text{F}(\text{p}, \alpha)$, $E=\text{low}$; calculated astrophysical reaction rates. JOUR NUPAB 758 753c

A=15 (continued)

- 2005MAZQ NUCLEAR REACTIONS $^{15}\text{N}(\text{p}, \text{n})$, $E=5.1$ MeV; $^2\text{H}(\text{d}, \text{n})$, $E=3.0$ MeV; measured neutron spectra, transmission through iron spheres. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P480
- 2005WAZW NUCLEAR REACTIONS $\text{Si}(^6\text{Li}, \text{X})$, $(^7\text{Be}, \text{X})$, $(^{10}\text{B}, \text{X})$, $(^9\text{C}, \text{X})$, $(^{10}\text{C}, \text{X})$, $(^{11}\text{C}, \text{X})$, $(^{12}\text{N}, \text{X})$, $(^{13}\text{O}, \text{X})$, $(^{15}\text{O}, \text{X})$, $(^{17}\text{Ne}, \text{X})$, $E=15-53$ MeV / nucleon; measured reaction and proton-removal σ . ^6Li , ^7Be , ^{10}B , $^{9,10,11}\text{C}$, ^{12}N , $^{13,15}\text{O}$, ^{17}Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025, 7/18/2005

A=16

- ^{16}O 2005FUZW NUCLEAR REACTIONS $^4\text{He}(^{16}\text{O}, \alpha)$, $E < 32.5$ MeV; measured recoil α spectrum. REPT CNS-REP-66, P13, Fujikawa
- 2005HA48 NUCLEAR REACTIONS $^{12}\text{C}(\alpha, \gamma)$, $E(\text{cm})=0.89-2.8$ MeV; measured $E\gamma$, $I\gamma$, angular distributions; deduced S-factors for E1 and E2 capture. Eurogam and Gandi arrays, astrophysical implications discussed. JOUR NUPAB 758 363c
- 2005HAZN NUCLEAR REACTIONS $^{13}\text{C}(\alpha, \text{n})$, $E=0.8-8.0$ MeV; measured σ . PREPRINT nucl-ex/0509014, 9/09/2005
- 2005KH13 NUCLEAR REACTIONS $^{16}\text{O}(^{16}\text{O}, ^{16}\text{O}')$, $E=250, 350, 480, 704, 1120$ MeV; measured $\sigma(E, \theta)$; deduced refractive features. DWBA and folding-model analysis, nuclear rainbow. JOUR NUPAB 759 3
- 2005KRZY NUCLEAR REACTIONS $^{14}\text{N}(^3\text{He}, \text{p})$, $E=2.4$ MeV; measured $E\gamma$, $E\text{p}$, $\text{p}\gamma$ -coin, electron-positron pair spectrum; deduced possible neutral boson production. REPT ATOMKI 2004 Annual, P3, Krasznahorkay
- 2005MA52 NUCLEAR REACTIONS $^{12}\text{C}(\alpha, \gamma)$, $E=2.27$ MeV; $^{27}\text{Al}(\text{p}, \gamma)$, $E=2.05$ MeV; measured $E\gamma$, $I\gamma(\theta)$. JOUR NIMAE 547 411
- 2005MA69 NUCLEAR REACTIONS $^{12}\text{C}(\alpha, \gamma)$, $E(\text{cm})=1.39, 1.58$ MeV; measured $E\gamma$, $I\gamma$, $\sigma(E2) / \sigma(E1)$. Pulsed beam. JOUR NUPAB 758 371c
- 2005MA71 NUCLEAR REACTIONS $^{19}\text{F}(\text{p}, \alpha)$, $E=1.95-2.10$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{16}O level deduced decay branching ratio. Astrophysical implications discussed. JOUR NUPAB 758 403c
- 2005PL04 NUCLEAR REACTIONS $^{12}\text{C}(\alpha, \gamma)$, $E(\text{cm})=1.0-1.5$ MeV; measured $E\gamma$, $I\gamma$, angular distributions; deduced S-factors. JOUR NUPAB 758 415c
- 2005SAZX NUCLEAR REACTIONS $^{12}\text{C}(^{24}\text{Mg}, ^{20}\text{Ne})$, $(^{24}\text{Mg}, ^{212}\text{C})$, $E=130$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ -, (particle)(particle)-coin. ^{16}O deduced transitions, branching ratio. Euroball IV array. CONF Bormio (XLIII Winter Meeting) Proc, P224
- 2005SC17 NUCLEAR REACTIONS $^{12}\text{C}(\alpha, \gamma)$, $E(\text{cm})=1.3-5.0$ MeV; measured $E\gamma$, $I\gamma$, (recoil) γ -coin; deduced astrophysical S-factors. Recoil mass separator. JOUR NUPAB 758 367c
- 2005TA19 NUCLEAR REACTIONS ^{10}B , $^{16}\text{O}(\text{K}^-, \pi^-)$, E at 0.93 GeV / c; $^{11}\text{B}(\pi^+, \text{K}^+)$, E at 1.05 GeV / c; ^7Li , $^{10}\text{B}(\text{K}^-, \gamma)$, E at rest; measured $E\gamma$, $I\gamma$. ^7Li , ^9Be , $^{10,11}\text{B}$, ^{16}O deduced hypernucleus levels, J, π . Hyperball array. JOUR NUPAB 754 58c

A=16 (continued)

2005UK01 NUCLEAR REACTIONS $^{16}\text{O}(\text{K}^-, \pi^-)$, E at 0.93 GeV / c; measured E_γ , I_γ . ^{16}O deduced hypernucleus levels, J, π . Hyperball array. JOUR NUPAB 754 70c

A=17

^{17}B 2005D016 NUCLEAR REACTIONS $^1\text{H}(^{17}\text{B}, ^{17}\text{B}')$, E=43.8 MeV; measured E_γ , I_γ , (particle) γ -coin, σ . ^{17}B deduced deformation parameters, decoupling of valence neutrons from core. JOUR PYLBB 621 81

2005KA26 NUCLEAR REACTIONS $^1\text{H}(^{19}\text{C}, ^{19}\text{C}')$, ($^{17}\text{C}, ^{17}\text{C}'$), ($^{17}\text{B}, ^{17}\text{B}'$), E \approx 53 MeV / nucleon; measured prompt and delayed E_γ , I_γ . $^{17,19}\text{C}$, ^{17}B deduced transitions. ^{19}C deduced no isomeric state. JOUR NUPAB 757 315

^{17}C 2005KA26 NUCLEAR REACTIONS $^1\text{H}(^{19}\text{C}, ^{19}\text{C}')$, ($^{17}\text{C}, ^{17}\text{C}'$), ($^{17}\text{B}, ^{17}\text{B}'$), E \approx 53 MeV / nucleon; measured prompt and delayed E_γ , I_γ . $^{17,19}\text{C}$, ^{17}B deduced transitions. ^{19}C deduced no isomeric state. JOUR NUPAB 757 315

^{17}O 2005AN15 NUCLEAR MOMENTS ^{13}C , $^{14,15}\text{N}$, ^{17}O , ^{19}F , ^{31}P , ^{33}S ; measured NMR spectra; deduced μ . JOUR CHPLB 411 111

^{17}F 2005KU27 NUCLEAR REACTIONS $^4\text{He}(^{14}\text{O}, \text{p})$, E(cm) \approx 1-3.6 MeV; measured proton spectrum. $^1\text{H}(^{23}\text{Mg}, \text{p})$, E(cm) \approx 0.6-3.5 MeV; measured elastic $\sigma(\theta)$. ^{24}Al deduced excited states energies. JOUR NUPAB 758 733c

^{17}Ne 2005GE06 NUCLEAR MOMENTS $^{17,19,21,23,25}\text{Ne}$; measured hfs; deduced μ , quadrupole moments. Collinear fast-beam laser spectroscopy, comparison with shell model predictions. JOUR PRVCA 71 064319

2005WAZW NUCLEAR REACTIONS $\text{Si}(^6\text{Li}, \text{X})$, ($^7\text{Be}, \text{X}$), ($^{10}\text{B}, \text{X}$), ($^9\text{C}, \text{X}$), ($^{10}\text{C}, \text{X}$), ($^{11}\text{C}, \text{X}$), ($^{12}\text{N}, \text{X}$), ($^{13}\text{O}, \text{X}$), ($^{15}\text{O}, \text{X}$), ($^{17}\text{Ne}, \text{X}$), E=15-53 MeV / nucleon; measured reaction and proton-removal σ . ^6Li , ^7Be , ^{10}B , $^{9,10,11}\text{C}$, ^{12}N , $^{13,15}\text{O}$, ^{17}Ne deduced radii. Comparisons with model predictions. PREPRINT nucl-ex/0507025,7/18/2005

A=18

^{18}O 2005G030 NUCLEAR REACTIONS $^{14}\text{C}(\alpha, \alpha)$, E=16.3-19.2 MeV; measured $\sigma(\theta)$, excitation function. ^{18}O deduced levels, J, π , α -cluster states. JOUR YAFIA 68 1123

^{18}F 2005BA82 NUCLEAR REACTIONS $^1\text{H}(^{18}\text{F}, \text{p})$, E(cm) \approx 0.3-1.3 MeV; measured proton spectra, $\sigma(\theta)$, excitation functions. ^{19}Ne deduced resonance parameters, excited state energy, J, π . $^{18}\text{F}(\text{p}, \alpha)$, (p, γ), E=low; calculated astrophysical reaction rates. JOUR NUPAB 758 737c

2005CH44 NUCLEAR REACTIONS $^{14}\text{N}(\alpha, \gamma)$, E=1775 keV; measured E_γ , I_γ . $^{17,18}\text{O}(\text{p}, \alpha)$, E \approx 190-205 keV; measured E_α , σ , $\sigma(\theta)$; deduced resonance parameters. Astrophysical implications discussed. JOUR PRLTA 95 031101

2005HE19 NUCLEAR REACTIONS $^{18}\text{O}(\text{p}, \text{n})$, E=2582 keV; measured neutron spectra. ^{138}Ba , ^{139}La , $^{175}\text{Lu}(\text{n}, \gamma)$, E=spectrum; measured σ . JOUR NUPAB 758 529c

A=18 (continued)

- 2005IL02 NUCLEAR REACTIONS $^{17}\text{O}(\text{p}, \gamma)$, $E \approx 190, 519$ keV; measured $E\gamma$, $I\gamma$; deduced resonance excitation functions. $^{23}\text{Na}(\text{p}, \gamma)$, $E \approx 150$ keV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin; deduced resonance strength upper limit. Astrophysical implications discussed. JOUR NUPAB 758 73c
- ^{18}Ne 2005PA50 NUCLEAR REACTIONS $^{16}\text{O}(^3\text{He}, \text{n})$, $E=9.9\text{-}10.4$ MeV; measured neutron spectra, $\sigma(\theta)$. ^{18}Ne deduced resonance energy, width. Comparison with previous results. JOUR PRVCA 72 025802

A=19

- ^{19}C 2005KA26 NUCLEAR REACTIONS $^1\text{H}(^{19}\text{C}, ^{19}\text{C}')$, $(^{17}\text{C}, ^{17}\text{C}')$, $(^{17}\text{B}, ^{17}\text{B}')$, $E \approx 53$ MeV / nucleon; measured prompt and delayed $E\gamma$, $I\gamma$. $^{17,19}\text{C}$, ^{17}B deduced transitions. ^{19}C deduced no isomeric state. JOUR NUPAB 757 315
- ^{19}N 2005DOZX NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{S}, \text{X})^{19}\text{N}$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{19}N deduced levels. REPT ATOMKI 2004 Annual,P8,Dombradi
- ^{19}F 2005AN15 NUCLEAR MOMENTS ^{13}C , $^{14,15}\text{N}$, ^{17}O , ^{19}F , ^{31}P , ^{33}S ; measured NMR spectra; deduced μ . JOUR CHPLB 411 111
- 2005DE45 NUCLEAR REACTIONS $^2\text{H}(^{18}\text{F}, \text{p}\alpha)$, E not given; measured excitation energy spectrum. ^{19}F level deduced spectroscopic factor. $^{18}\text{F}(\text{p}, \alpha)$, $E(\text{cm})=0\text{-}1$ MeV; calculated astrophysical S-factor. JOUR NUPAB 758 745c
- 2005K031 NUCLEAR REACTIONS $^2\text{H}(^{18}\text{F}, \text{p})$, $E=108.49$ MeV; measured particle spectra, $\sigma(\theta)$. ^{19}F levels deduced spectroscopic factors. $^{18}\text{F}(\text{p}, \alpha)$, $E=\text{low}$; calculated astrophysical reaction rates. JOUR NUPAB 758 753c
- ^{19}Ne 2005BA82 NUCLEAR REACTIONS $^1\text{H}(^{18}\text{F}, \text{p})$, $E(\text{cm}) \approx 0.3\text{-}1.3$ MeV; measured proton spectra, $\sigma(\theta)$, excitation functions. ^{19}Ne deduced resonance parameters, excited state energy, J , π . $^{18}\text{F}(\text{p}, \alpha)$, (p, γ) , $E=\text{low}$; calculated astrophysical reaction rates. JOUR NUPAB 758 737c
- 2005GE06 NUCLEAR MOMENTS $^{17,19,21,23,25}\text{Ne}$; measured hfs; deduced μ , quadrupole moments. Collinear fast-beam laser spectroscopy, comparison with shell model predictions. JOUR PRVCA 71 064319

A=20

- ^{20}Na 2005C017 NUCLEAR REACTIONS $^1\text{H}(^{19}\text{Ne}, \gamma)$, $E=10$ MeV; measured particle spectra. ^{20}Na deduced resonance strength. JOUR NUPAB 758 741c
- 2005RU15 NUCLEAR REACTIONS $^1\text{H}(^{20}\text{Na}, \text{p})$, $(^{21}\text{Na}, \text{p})$, $E(\text{cm}) \approx 500\text{-}1600$ keV; measured recoil proton spectra; deduced excitation functions. ^{22}Ne deduced resonance energies, widths. JOUR NUPAB 758 166c
- ^{20}Mg 2005IWZX NUCLEAR REACTIONS $\text{Pb}(^{20}\text{Mg}, ^{20}\text{Mg}')$, $E=58$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{20}Mg deduced transition. REPT RIKEN 2004 Annual,P58,Iwasa

A=21

²¹ Ne	2005GE06	NUCLEAR MOMENTS ^{17,19,21,23,25} Ne; measured hfs; deduced μ , quadrupole moments. Collinear fast-beam laser spectroscopy, comparison with shell model predictions. JOUR PRVCA 71 064319
²¹ Na	2005HEZT	NUCLEAR REACTIONS ¹ H(²¹ Na, p), E \approx 4 MeV / nucleon; measured recoil proton spectra, $\sigma(\theta)$. ²² Mg deduced level energies, resonance features. REPT CNS-REP-66,P1,He
	2005RU15	NUCLEAR REACTIONS ¹ H(²⁰ Na, p), (²¹ Na, p), E(cm) \approx 500-1600 keV; measured recoil proton spectra; deduced excitation functions. ²² Ne deduced resonance energies, widths. JOUR NUPAB 758 166c

A=22

²² Ne	2005RU15	NUCLEAR REACTIONS ¹ H(²⁰ Na, p), (²¹ Na, p), E(cm) \approx 500-1600 keV; measured recoil proton spectra; deduced excitation functions. ²² Ne deduced resonance energies, widths. JOUR NUPAB 758 166c
	2005UG04	NUCLEAR REACTIONS ¹⁹ F(α , p), E=1238-2009 keV; measured yields; deduced astrophysical reaction rates. JOUR NUPAB 758 577c
²² Mg	2005DAZW	NUCLEAR REACTIONS ¹ H(²¹ Na, γ), E(cm)=206-1101 keV; measured E γ , I γ , (particle) γ -coin; deduced thick-target yields, resonance strengths. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1345
	2005HEZS	NUCLEAR REACTIONS ¹ H(²² Mg, p), E \approx 4 MeV / nucleon; measured recoil proton spectra, $\sigma(\theta)$. ²³ Al deduced level energies, possible J, π , resonance features. REPT CNS-REP-66,P3,He
	2005HEZT	NUCLEAR REACTIONS ¹ H(²¹ Na, p), E \approx 4 MeV / nucleon; measured recoil proton spectra, $\sigma(\theta)$. ²² Mg deduced level energies, resonance features. REPT CNS-REP-66,P1,He
	2005SA44	RADIOACTIVITY ⁴⁶ V(EC); analyzed masses; deduced Q(EC), log ft. ¹⁰ C, ¹⁴ O, ²² Mg, ^{26m} Al, ³⁴ Cl, ³⁴ Ar, ^{38m} K, ⁴² Sc, ⁴⁶ V, ⁵⁰ Mn, ⁵⁴ Co, ⁷⁴ Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501
	2005TR11	NUCLEAR REACTIONS ¹ H(²¹ Na, γ), E(cm)=200-1135 keV; measured E γ , I γ , $\gamma\gamma$ -coin. ²² Mg deduced levels, J, π , resonance strengths. JOUR NUPAB 758 729c

A=23

²³ F	2005MIZU	NUCLEAR REACTIONS ⁴ He(²² O, ²³ F), (²³ F, ²³ F'), (²⁴ F, ²³ F), E not given; measured E γ , I γ , $\gamma\gamma$ -coin, $\sigma(\theta)$. ²³ F deduced levels, J, π . REPT CNS-REP-66,P26,Michimasa
	2005MIZV	NUCLEAR REACTIONS ⁴ He(²² O, ²³ F), E \approx 35 MeV / nucleon; ⁴ He(²³ F, ²³ F'), E \approx 41.5 MeV / nucleon; ⁴ He(²⁴ F, ²³ F), E \approx 36 MeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, angular distributions. ²³ F deduced levels, J, π . REPT RIKEN 2004 Annual,P51,Michimasa
²³ Ne	2005GE06	NUCLEAR MOMENTS ^{17,19,21,23,25} Ne; measured hfs; deduced μ , quadrupole moments. Collinear fast-beam laser spectroscopy, comparison with shell model predictions. JOUR PRVCA 71 064319

A=23 (continued)

- ²³Na 2005DE42 NUCLEAR REACTIONS ²⁶Al(n, α), (n, p), E < 140 keV; measured σ; deduced resonance features. ³⁶Cl(n, p), ²⁶Al(n, α), E=stellar; analyzed astrophysical reaction rates. JOUR NUPAB 758 80c
- 2005JE06 NUCLEAR REACTIONS ¹²C(¹²C, p), (¹²C, n), E=22 MeV; measured Eγ, Iγ, γγ-coin. ²³Mg levels deduced J, π. ²²Na(p, γ), E=low; calculated astrophysical reaction rate, resonance contributions. Gammasphere array. JOUR NUPAB 758 749c
- ²³Mg 2005JE06 NUCLEAR REACTIONS ¹²C(¹²C, p), (¹²C, n), E=22 MeV; measured Eγ, Iγ, γγ-coin. ²³Mg levels deduced J, π. ²²Na(p, γ), E=low; calculated astrophysical reaction rate, resonance contributions. Gammasphere array. JOUR NUPAB 758 749c
- 2005KU27 NUCLEAR REACTIONS ⁴He(¹⁴O, p), E(cm) ≈ 1-3.6 MeV; measured proton spectrum. ¹H(²³Mg, p), E(cm) ≈ 0.6-3.5 MeV; measured elastic σ(θ). ²⁴Al deduced excited states energies. JOUR NUPAB 758 733c
- 2005TEZY NUCLEAR REACTIONS ¹H(²³Mg, p), E(cm) ≈ 0.5-3.5 MeV; measured recoil proton spectra, σ(θ). REPT RIKEN 2004 Annual,P59,Teranishi
- ²³Al 2005G033 NUCLEAR REACTIONS Pb(²³Al, p²²Mg), E=50 MeV / nucleon; measured particles relative energy spectrum, Eγ, Iγ; deduced Coulomb dissociation σ(θ). ²³Al level deduced radiative width. JOUR NUPAB 758 761c
- 2005HEZS NUCLEAR REACTIONS ¹H(²²Mg, p), E ≈ 4 MeV / nucleon; measured recoil proton spectra, σ(θ). ²³Al deduced level energies, possible J, π, resonance features. REPT CNS-REP-66,P3,He

A=24

- ²⁴Na 2005MU21 NUCLEAR REACTIONS ¹¹⁵In(n, n'), ²⁷Al(n, α), ⁹³Nb(n, 2n), (n, 4n), ²⁰⁹Bi(n, 4n), (n, 5n), (n, 6n), (n, 7n), E ≈ 10-1000 MeV; measured reaction rates. Comparison with model predictions. JOUR NIMAE 547 555
- 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ. Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1489
- 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ. Comparison with model predictions. PREPRINT nucl-ex/0507009,7/05/2005

A=24 (continued)

- ²⁴Mg 2005IL02 NUCLEAR REACTIONS ¹⁷O(p, γ), E \approx 190, 519 keV; measured E γ , I γ ; deduced resonance excitation functions. ²³Na(p, γ), E \approx 150 keV; measured E γ , I γ , $\gamma\gamma$ -coin; deduced resonance strength upper limit. Astrophysical implications discussed. JOUR NUPAB 758 73c
- ²⁴Al 2005KU27 NUCLEAR REACTIONS ⁴He(¹⁴O, p), E(cm) \approx 1-3.6 MeV; measured proton spectrum. ¹H(²³Mg, p), E(cm) \approx 0.6-3.5 MeV; measured elastic $\sigma(\theta)$. ²⁴Al deduced excited states energies. JOUR NUPAB 758 733c

A=25

- ²⁵Ne 2005GE06 NUCLEAR MOMENTS ^{17,19,21,23,25}Ne; measured hfs; deduced μ , quadrupole moments. Collinear fast-beam laser spectroscopy, comparison with shell model predictions. JOUR PRVCA 71 064319
- 2005GIZX NUCLEAR REACTIONS Pb(²⁶Ne, ²⁵NeX), E=58 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ²⁵Ne deduced levels, transitions. REPT RIKEN 2004 Annual,P53,Gibelin
- ²⁵Al 2005M028 NUCLEAR REACTIONS ¹H(²⁵Al, p), (²⁶Si, p), E(cm)=0.5-3 MeV; measured recoil proton spectra; deduced excitation functions. ²⁶Si, ²⁷P deduced levels, proton resonance states. Comparison with shell model predictions. JOUR NUPAB 758 158c
- 2005M0ZU NUCLEAR REACTIONS ¹H(²⁵Al, p), (²⁶Si, p), E(cm) \approx 0.5-3 MeV; measured elastic $\sigma(\theta=180^\circ)$. ²⁷P deduced resonance energies, J, π . REPT RIKEN 2004 Annual,P63,Moon

A=26

- ²⁶Ne 2005D0ZW NUCLEAR REACTIONS ⁹Be(³⁶S, X)²⁶Ne / ²⁸Ne, E not given; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{26,28}Ne deduced transitions. REPT ATOMKI 2004 Annual,P10,Dombradi
- ²⁶Mg 2005DE42 NUCLEAR REACTIONS ²⁶Al(n, α), (n, p), E < 140 keV; measured σ ; deduced resonance features. ³⁶Cl(n, p), ²⁶Al(n, α), E=stellar; analyzed astrophysical reaction rates. JOUR NUPAB 758 80c
- ²⁶Al 2005SA44 RADIOACTIVITY ⁴⁶V(EC); analyzed masses; deduced Q(EC), log ft. ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁷⁴Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501
- 2005SCZW NUCLEAR REACTIONS Pb(p, X)¹⁰Be / ²⁶Al / ¹²⁹I / ³⁶Cl, E=200-2600 MeV; measured excitation functions. Stacked foil activation, chemical separation. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1517
- 2005WAZU NUCLEAR REACTIONS ²⁷Al(n, 2n), E=13.6-14.9 MeV; measured σ . Accelerator mass spectrometry, other potential measurements discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P621

A=26 (continued)

- ²⁶Si 2005M028 NUCLEAR REACTIONS ¹H(²⁵Al, p), (²⁶Si, p), E(cm)=0.5-3 MeV; measured recoil proton spectra; deduced excitation functions. ²⁶Si, ²⁷P deduced levels, proton resonance states. Comparison with shell model predictions. JOUR NUPAB 758 158c
- 2005M0ZR NUCLEAR REACTIONS ¹H(²⁶Si, p), E ≈ 4 MeV / nucleon; measured recoil proton spectra, σ(θ). ²⁷P deduced level energies, J, π, resonance features. REPT CNS-REP-66,P6,Moon
- 2005M0ZU NUCLEAR REACTIONS ¹H(²⁵Al, p), (²⁶Si, p), E(cm) ≈ 0.5-3 MeV; measured elastic σ(θ=180°). ²⁷P deduced resonance energies, J, π. REPT RIKEN 2004 Annual,P63,Moon

A=27

- ²⁷Mg 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ. Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1489
- ²⁷Si 2005LE30 NUCLEAR REACTIONS ²⁷Al(³He, t), E=25 MeV; measured Ep following residual nucleus decay to ground and metastable states. ²⁷Si deduced resonance energy. Astrophysical implications discussed. JOUR NUPAB 758 84c
- 2005SA37 NUCLEAR REACTIONS ⁴⁰Ca(e, e'n), E=129 MeV; measured En, missing energy spectra, angular correlations, σ(E, θ); ¹²C, ²⁸Si(e, e'n), E not given; analyzed data; deduced core excitation in giant resonance. JOUR PRVCA 71 064313
- ²⁷P 2005M028 NUCLEAR REACTIONS ¹H(²⁵Al, p), (²⁶Si, p), E(cm)=0.5-3 MeV; measured recoil proton spectra; deduced excitation functions. ²⁶Si, ²⁷P deduced levels, proton resonance states. Comparison with shell model predictions. JOUR NUPAB 758 158c
- 2005M0ZR NUCLEAR REACTIONS ¹H(²⁶Si, p), E ≈ 4 MeV / nucleon; measured recoil proton spectra, σ(θ). ²⁷P deduced level energies, J, π, resonance features. REPT CNS-REP-66,P6,Moon
- 2005M0ZU NUCLEAR REACTIONS ¹H(²⁵Al, p), (²⁶Si, p), E(cm) ≈ 0.5-3 MeV; measured elastic σ(θ=180°). ²⁷P deduced resonance energies, J, π. REPT RIKEN 2004 Annual,P63,Moon
- 2005T011 NUCLEAR REACTIONS Pb(²⁷P, p²⁶Si), E=57 MeV / nucleon; measured relative energy spectrum. ²⁷P deduced excited state γ-decay width. Comparison with previous results. JOUR NUPAB 758 182c

A=28

- ²⁸Ne 2005D0ZW NUCLEAR REACTIONS ⁹Be(³⁶S, X)²⁶Ne / ²⁸Ne, E not given; measured Eγ, Iγ, γγ-, (recoil)γ-coin. ^{26,28}Ne deduced transitions. REPT ATOMKI 2004 Annual,P10,Dombradi

A=28 (continued)

- 2005IW02 NUCLEAR REACTIONS C, Pb(^{28}Ne , $^{28}\text{Ne}'$), E=46 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin. ^{28}Ne deduced transition B(E2), suppressed collectivity. Comparison with neighboring nuclides, model predictions. JOUR PYLBB 620 118
- ^{28}Al 2005GE07 NUCLEAR REACTIONS ^{10}B , ^{27}Al (polarized n, γ), E=low; measured parity-violating γ -ray asymmetry. JOUR JRNBA 110 215
- ^{28}Si 2005MA52 NUCLEAR REACTIONS ^{12}C (α , γ), E=2.27 MeV; ^{27}Al (p, γ), E=2.05 MeV; measured $E\gamma$, $I\gamma(\theta)$. JOUR NIMAE 547 411

A=29

- ^{29}Si 2005DEZW NUCLEAR REACTIONS ^{28}Si , ^{32}S , ^{35}Cl (n, γ), E=reactor; measured $E\gamma$, $I\gamma$. ^{29}Si , ^{33}S , ^{36}Cl deduced binding energies. Flat-crystal spectrometer. PREPRINT nucl-ex/0507011,7/06/2005
- 2005JEZY NUCLEAR REACTIONS ^{28}Si , ^{32}S , ^{35}Cl (n, γ), E=thermal; measured $E\gamma$, $I\gamma$. ^{29}Si , ^{33}S , ^{36}Cl deduced level energies, neutron binding energies. Double crystal spectrometers. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P617

A=30

No references found

A=31

- ^{31}P 2005AN15 NUCLEAR MOMENTS ^{13}C , $^{14,15}\text{N}$, ^{17}O , ^{19}F , ^{31}P , ^{33}S ; measured NMR spectra; deduced μ . JOUR CHPLB 411 111

A=32

- ^{32}S 2005ADZW NUCLEAR REACTIONS ^{31}P (p, γ), E not given; measured $E\gamma$, $I\gamma$. ^{32}S deduced excited state energy. REPT Univ Washington Annual 2005,P58,Adelberger
- 2005SH38 ATOMIC MASSES $^{32,33}\text{S}$, $^{84,86}\text{Kr}$, $^{129,132}\text{Xe}$; measured masses. Penning trap. JOUR PLRAA 72 022510

A=33

- ^{33}S 2005AN15 NUCLEAR MOMENTS ^{13}C , $^{14,15}\text{N}$, ^{17}O , ^{19}F , ^{31}P , ^{33}S ; measured NMR spectra; deduced μ . JOUR CHPLB 411 111
- 2005DEZW NUCLEAR REACTIONS ^{28}Si , ^{32}S , ^{35}Cl (n, γ), E=reactor; measured $E\gamma$, $I\gamma$. ^{29}Si , ^{33}S , ^{36}Cl deduced binding energies. Flat-crystal spectrometer. PREPRINT nucl-ex/0507011,7/06/2005

A=33 (continued)

- 2005JEZY NUCLEAR REACTIONS ^{28}Si , ^{32}S , $^{35}\text{Cl}(n, \gamma)$, E=thermal; measured $E\gamma$, $I\gamma$. ^{29}Si , ^{33}S , ^{36}Cl deduced level energies, neutron binding energies. Double crystal spectrometers. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P617
- 2005SH38 ATOMIC MASSES $^{32,33}\text{S}$, $^{84,86}\text{Kr}$, $^{129,132}\text{Xe}$; measured masses. Penning trap. JOUR PLRAA 72 022510
- ^{33}Cl 2005ADZV NUCLEAR REACTIONS $^{32}\text{S}(p, \gamma)$, E \approx 3.4 MeV; measured $E\gamma$, $I\gamma$. ^{33}Cl deduced transitions. REPT Univ Washington Annual 2005, P59, Adelberger

A=34

- ^{34}S 2005FU03 NUCLEAR REACTIONS $^{34}\text{S}(^7\text{Li}, t\alpha)$, E=26 MeV; measured particle spectra, angular correlations. ^{38}Ar deduced α -cluster states energies, J, π . JOUR PRVCA 71 067602
- ^{34}Cl 2005SA44 RADIOACTIVITY $^{46}\text{V}(\text{EC})$; analyzed masses; deduced Q(EC), log ft. ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{74}Rb ; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501
- ^{34}Ar 2005SA44 RADIOACTIVITY $^{46}\text{V}(\text{EC})$; analyzed masses; deduced Q(EC), log ft. ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{74}Rb ; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

A=35

- ^{35}Cl 2005KSZZ NUCLEAR REACTIONS $^{12}\text{C}(^{28}\text{Si}, p\alpha)$, E=70, 88 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{35}Cl level deduced $T_{1/2}$, isospin-mixing effects. PREPRINT nucl-ex/0507019, 7/13/2005

A=36

- ^{36}S 2005DE42 NUCLEAR REACTIONS $^{26}\text{Al}(n, \alpha)$, (n, p), E < 140 keV; measured σ ; deduced resonance features. $^{36}\text{Cl}(n, p)$, $^{26}\text{Al}(n, \alpha)$, E=stellar; analyzed astrophysical reaction rates. JOUR NUPAB 758 80c
- ^{36}Cl 2005BEZT NUCLEAR REACTIONS $^{35}\text{Cl}(n, \gamma)$, E not given; measured $E\gamma$, $I\gamma$. ^{36}Cl deduced transitions, level energies, binding energy. $^{52,54}\text{Cr}$, ^{56}Fe , $^{206}\text{Pb}(n, \gamma)$, E not given; analyzed $E\gamma$. $^{53,55}\text{Cr}$, ^{57}Fe , ^{207}Pb deduced binding energies. GAMS4 spectrometer. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1074
- 2005DEZW NUCLEAR REACTIONS ^{28}Si , ^{32}S , $^{35}\text{Cl}(n, \gamma)$, E=reactor; measured $E\gamma$, $I\gamma$. ^{29}Si , ^{33}S , ^{36}Cl deduced binding energies. Flat-crystal spectrometer. PREPRINT nucl-ex/0507011, 7/06/2005

A=36 (continued)

- 2005JEZY NUCLEAR REACTIONS ^{28}Si , ^{32}S , $^{35}\text{Cl}(n, \gamma)$, E=thermal; measured $E\gamma$, $I\gamma$. ^{29}Si , ^{33}S , ^{36}Cl deduced level energies, neutron binding energies. Double crystal spectrometers. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P617
- 2005SCZW NUCLEAR REACTIONS $\text{Pb}(p, X)^{10}\text{Be}$ / ^{26}Al / ^{129}I / ^{36}Cl , E=200-2600 MeV; measured excitation functions. Stacked foil activation, chemical separation. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1517

A=37

No references found

A=38

- ^{38}Ar 2005FU03 NUCLEAR REACTIONS $^{34}\text{S}(^7\text{Li}, t\alpha)$, E=26 MeV; measured particle spectra, angular correlations. ^{38}Ar deduced α -cluster states energies, J, π . JOUR PRVCA 71 067602
- ^{38}K 2005SA44 RADIOACTIVITY $^{46}\text{V}(\text{EC})$; analyzed masses; deduced Q(EC), log ft. ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{74}Rb ; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

A=39

- ^{39}Ar 2005FUZX NUCLEAR REACTIONS $^3\text{He}(^{40}\text{Ar}, \alpha)$, E=4.5 MeV / nucleon; measured yield. Application to half-life determination discussed. REPT CNS-REP-66,P8,Fulop
- ^{39}Ca 2005SA37 NUCLEAR REACTIONS $^{40}\text{Ca}(e, e'n)$, E=129 MeV; measured En, missing energy spectra, angular correlations, $\sigma(E, \theta)$; ^{12}C , $^{28}\text{Si}(e, e'n)$, E not given; analyzed data; deduced core excitation in giant resonance. JOUR PRVCA 71 064313

A=40

- ^{40}Ar 2005ST22 NUCLEAR REACTIONS $\text{C}(^{40}\text{Ar}, ^{40}\text{Ar}')$, E=80 MeV; $\text{C}(^{46}\text{Ti}, ^{46}\text{Ti}')$, E=100 MeV; measured $E\gamma$, $I\gamma(\theta, H, t)$, (particle) γ -coin following projectile Coulomb excitation. ^{40}Ar level deduced g factor, configuration. Transient field technique, comparison with shell model calculations. JOUR PRVCA 72 014309
- ^{40}Ca 2005CA29 NUCLEAR REACTIONS $^{12}\text{C}(p, X)$, E=180 MeV; $^{12}\text{C}(\alpha, X)$, E=192.4 MeV; measured reaction σ . $^3\text{He}(p, p)$, E \approx 40 MeV; measured $\sigma(\theta)$. $^{40}\text{Ca}(^3\text{He}, ^3\text{He}')$, E=167 MeV; measured particle spectra. Modified attenuation technique for reaction cross section measurement. JOUR NIMAE 547 541

A=41

No references found

A=42

- ⁴²Sc 2005SA44 RADIOACTIVITY ⁴⁶V(EC'); analyzed masses; deduced Q(EC), log ft. ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁷⁴Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

A=43

No references found

A=44

- ⁴⁴Ca 2005L006 NUCLEAR REACTIONS ⁴⁴Ca(p, p), (p, p'), E=2.50-3.53 MeV; measured E_p, σ(E, θ). ⁴⁵Sc deduced resonance parameters, level densities. JOUR PRVCA 71 064315
- ⁴⁴Sc 2005LA19 NUCLEAR REACTIONS ³⁰Si(¹⁸O, 3np), E=68 MeV; measured E_γ, I_γ, γγ-, (recoil)γ-coin, γ-ray polarization. ⁴⁴Sc deduced high-spin levels, J, π, T_{1/2}, B(E2), configurations. Euroball IV array. JOUR ZAANE 25 1
- ⁴⁴Ti 2005BRZU NUCLEAR REACTIONS Ti(p, X)⁴⁴Ti, E=21-29 MeV; Ni(p, X)⁵⁶Ni, E=18-28 MeV; Zr(p, X)⁸⁸Zr, E=19-28 MeV; measured production σ. Activation technique, comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1374
- 2005NA30 NUCLEAR REACTIONS ⁴He(⁴⁰Ca, γ), E=72 MeV; measured yields. Radiochemical separation, accelerator mass spectrometry. Astrophysical implications discussed. JOUR NUPAB 758 411c
- 2005NAZW NUCLEAR REACTIONS ⁴He(⁴⁰Ca, γ), E(cm)=0.6-1.2 MeV / nucleon; measured yields. Radiochemical separation, accelerator mass spectrometry. Astrophysical implications discussed. PREPRINT nucl-ex/0509006,9/03/2005

A=45

- ⁴⁵Ca 2005DAZX NUCLEAR REACTIONS ⁴⁸Ti(n, n'), (n, 2n), (n, p), (n, α), E=1-250 MeV; measured E_γ, I_γ; deduced partial γ-ray transition σ. Other exit channels discussed. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1035
- 2005KEZZ NUCLEAR REACTIONS Ti(p, X)⁴⁵Ca, E=30-200 MeV; ⁸⁵Rb(p, 4n), E=35-70 MeV; measured excitation functions. ⁸⁹Y(n, p), E=fast; measured spectrum-averaged σ. Activation technique, radiochemical separation, x-ray spectrometry. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P758

A=45 (continued)

⁴⁵Sc 2005L006 NUCLEAR REACTIONS ⁴⁴Ca(p, p), (p, p'), E=2.50-3.53 MeV; measured E_p, σ(E, θ). ⁴⁵Sc deduced resonance parameters, level densities. JOUR PRVCA 71 064315

A=46

⁴⁶Ar 2005RI11 NUCLEAR REACTIONS ¹H, C(⁴⁶Ar, ⁴⁶Ar'), E ≈ 68 MeV / nucleon; measured E_γ, I_γ, (particle)γ-coin. ⁴⁶Ar deduced levels, J, π, B(E2), deformation lengths. Optical model analysis. JOUR PRVCA 72 024311

⁴⁶Ti 2005SA44 ATOMIC MASSES ⁴⁶Ti, ⁴⁶V; measured masses; deduced Q(EC). Penning trap mass spectrometer. JOUR PRLTA 95 102501

2005SA44 RADIOACTIVITY ⁴⁶V(EC); analyzed masses; deduced Q(EC), log ft. ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁷⁴Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

⁴⁶V 2005ON03 RADIOACTIVITY ⁴⁶Cr(β⁺) [from ⁹Be(⁵⁰Cr, X)]; measured E_γ, I_γ, γγ-, βγ-coin, T_{1/2}; deduced Gamow-Teller decay branching ratio, B(GT). ⁴⁶V deduced transitions. Comparison with model predictions. JOUR PRVCA 72 024308

2005SA44 ATOMIC MASSES ⁴⁶Ti, ⁴⁶V; measured masses; deduced Q(EC). Penning trap mass spectrometer. JOUR PRLTA 95 102501

2005SA44 RADIOACTIVITY ⁴⁶V(EC); analyzed masses; deduced Q(EC), log ft. ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁷⁴Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

⁴⁶Cr 2005ON03 RADIOACTIVITY ⁴⁶Cr(β⁺) [from ⁹Be(⁵⁰Cr, X)]; measured E_γ, I_γ, γγ-, βγ-coin, T_{1/2}; deduced Gamow-Teller decay branching ratio, B(GT). ⁴⁶V deduced transitions. Comparison with model predictions. JOUR PRVCA 72 024308

A=47

⁴⁷Sc 2005DIZY NUCLEAR REACTIONS Fe(p, X)⁵⁷Co / ⁵⁶Co / ⁵⁵Co / ⁵⁴Mn / ⁵²Mn / ⁴⁸V / ⁵¹Cr / ⁴⁸Cr / ⁴⁷Sc, E ≈ 20-70 MeV; measured activation σ. Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1011

⁴⁷Ti 2005DAZX NUCLEAR REACTIONS ⁴⁸Ti(n, n'), (n, 2n), (n, p), (n, α), E=1-250 MeV; measured E_γ, I_γ; deduced partial γ-ray transition σ. Other exit channels discussed. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1035

A=48

⁴⁸ Sc	2005DAZX	NUCLEAR REACTIONS ⁴⁸ Ti(n, n'), (n, 2n), (n, p), (n, α), E=1-250 MeV; measured E _γ , I _γ ; deduced partial γ-ray transition σ. Other exit channels discussed. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1035
⁴⁸ Ti	2005DAZX	NUCLEAR REACTIONS ⁴⁸ Ti(n, n'), (n, 2n), (n, p), (n, α), E=1-250 MeV; measured E _γ , I _γ ; deduced partial γ-ray transition σ. Other exit channels discussed. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1035
	2005TRZZ	RADIOACTIVITY ⁴⁸ V(EC), (β ⁺) [from Ti(p, X)]; measured E _γ , I _γ ; deduced log ft. ⁴⁸ Ti deduced transition intensities. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P261
⁴⁸ V	2005DIZY	NUCLEAR REACTIONS Fe(p, X) ⁵⁷ Co / ⁵⁶ Co / ⁵⁵ Co / ⁵⁴ Mn / ⁵² Mn / ⁴⁸ V / ⁵¹ Cr / ⁴⁸ Cr / ⁴⁷ Sc, E ≈ 20-70 MeV; measured activation σ. Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1011
	2005MIZZ	NUCLEAR REACTIONS Cu(n, X) ⁵⁶ Co, E=40-180 MeV; Fe(n, X) ⁵⁴ Mn / ⁵² Mn / ⁵¹ Cr / ⁴⁸ V, E ≈ 0-180 MeV; Pb(n, X) ¹⁹⁶ Au / ²⁰⁰ Pb / ¹⁰³ Ru, E ≈ 40-180 MeV; U(n, X) ⁹⁹ Mo, E ≈ 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P861
	2005TRZZ	RADIOACTIVITY ⁴⁸ V(EC), (β ⁺) [from Ti(p, X)]; measured E _γ , I _γ ; deduced log ft. ⁴⁸ Ti deduced transition intensities. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P261
⁴⁸ Cr	2005DIZY	NUCLEAR REACTIONS Fe(p, X) ⁵⁷ Co / ⁵⁶ Co / ⁵⁵ Co / ⁵⁴ Mn / ⁵² Mn / ⁴⁸ V / ⁵¹ Cr / ⁴⁸ Cr / ⁴⁷ Sc, E ≈ 20-70 MeV; measured activation σ. Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1011

A=49

⁴⁹ Ti	2005NIZT	NUCLEAR REACTIONS ⁹ Be(⁴⁶ Ar, xn), E ≈ 2.5-4.5 MeV / nucleon; measured E _γ , I _γ , γγ-coin; deduced excitation functions. ^{49,50} Ti deduced transitions. ⁵¹ Ti deduced levels, J, π. REPT CNS-REP-66,P22,Niikura
	2005NIZV	NUCLEAR REACTIONS ⁹ Be(⁴⁶ Ar, 3n), (⁴⁶ Ar, 4n), (⁴⁶ Ar, 5n), (⁴⁶ Ar, 6n), E=2-7 MeV / nucleon; measured excitation functions. Comparison with statistical model predictions. REPT RIKEN 2004 Annual,P67,Niikura

A=50

⁵⁰ Ti	2005NIZT	NUCLEAR REACTIONS ⁹ Be(⁴⁶ Ar, xn), E ≈ 2.5-4.5 MeV / nucleon; measured E _γ , I _γ , γγ-coin; deduced excitation functions. ^{49,50} Ti deduced transitions. ⁵¹ Ti deduced levels, J, π. REPT CNS-REP-66,P22,Niikura
------------------	----------	--

A=50 (continued)

- 2005NIZV NUCLEAR REACTIONS ${}^9\text{Be}({}^{46}\text{Ar}, 3n)$, $({}^{46}\text{Ar}, 4n)$, $({}^{46}\text{Ar}, 5n)$, $({}^{46}\text{Ar}, 6n)$, $E=2-7$ MeV / nucleon; measured excitation functions. Comparison with statistical model predictions. REPT RIKEN 2004 Annual,P67,Niikura
- ${}^{50}\text{Mn}$ 2005SA44 RADIOACTIVITY ${}^{46}\text{V}(\text{EC})$; analyzed masses; deduced $Q(\text{EC})$, log ft. ${}^{10}\text{C}$, ${}^{14}\text{O}$, ${}^{22}\text{Mg}$, ${}^{26m}\text{Al}$, ${}^{34}\text{Cl}$, ${}^{34}\text{Ar}$, ${}^{38m}\text{K}$, ${}^{42}\text{Sc}$, ${}^{46}\text{V}$, ${}^{50}\text{Mn}$, ${}^{54}\text{Co}$, ${}^{74}\text{Rb}$; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

A=51

- ${}^{51}\text{Ti}$ 2005NIZT NUCLEAR REACTIONS ${}^9\text{Be}({}^{46}\text{Ar}, xn)$, $E \approx 2.5-4.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin; deduced excitation functions. ${}^{49,50}\text{Ti}$ deduced transitions. ${}^{51}\text{Ti}$ deduced levels, J, π . REPT CNS-REP-66,P22,Niikura
- 2005NIZV NUCLEAR REACTIONS ${}^9\text{Be}({}^{46}\text{Ar}, 3n)$, $({}^{46}\text{Ar}, 4n)$, $({}^{46}\text{Ar}, 5n)$, $({}^{46}\text{Ar}, 6n)$, $E=2-7$ MeV / nucleon; measured excitation functions. Comparison with statistical model predictions. REPT RIKEN 2004 Annual,P67,Niikura
- ${}^{51}\text{Cr}$ 2005BAZR NUCLEAR REACTIONS ${}^{107}\text{Ag}(\alpha, \gamma)$, $E=7.8-11.9$ MeV; ${}^{48}\text{Ti}(\alpha, n)$, $E \approx 6.5-11.5$ MeV; measured σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1370
- 2005DIZY NUCLEAR REACTIONS $\text{Fe}(p, X){}^{57}\text{Co} / {}^{56}\text{Co} / {}^{55}\text{Co} / {}^{54}\text{Mn} / {}^{52}\text{Mn} / {}^{48}\text{V} / {}^{51}\text{Cr} / {}^{48}\text{Cr} / {}^{47}\text{Sc}$, $E \approx 20-70$ MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1011
- 2005MIZZ NUCLEAR REACTIONS $\text{Cu}(n, X){}^{56}\text{Co}$, $E=40-180$ MeV; $\text{Fe}(n, X){}^{54}\text{Mn} / {}^{52}\text{Mn} / {}^{51}\text{Cr} / {}^{48}\text{V}$, $E \approx 0-180$ MeV; $\text{Pb}(n, X){}^{196}\text{Au} / {}^{200}\text{Pb} / {}^{103}\text{Ru}$, $E \approx 40-180$ MeV; $\text{U}(n, X){}^{99}\text{Mo}$, $E \approx 0-180$ MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P861

A=52

- ${}^{52}\text{Ti}$ 2005NIZV NUCLEAR REACTIONS ${}^9\text{Be}({}^{46}\text{Ar}, 3n)$, $({}^{46}\text{Ar}, 4n)$, $({}^{46}\text{Ar}, 5n)$, $({}^{46}\text{Ar}, 6n)$, $E=2-7$ MeV / nucleon; measured excitation functions. Comparison with statistical model predictions. REPT RIKEN 2004 Annual,P67,Niikura
- ${}^{52}\text{Mn}$ 2005DIZY NUCLEAR REACTIONS $\text{Fe}(p, X){}^{57}\text{Co} / {}^{56}\text{Co} / {}^{55}\text{Co} / {}^{54}\text{Mn} / {}^{52}\text{Mn} / {}^{48}\text{V} / {}^{51}\text{Cr} / {}^{48}\text{Cr} / {}^{47}\text{Sc}$, $E \approx 20-70$ MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1011

A=52 (continued)

- 2005MIZZ NUCLEAR REACTIONS Cu(n, X)⁵⁶Co, E=40-180 MeV; Fe(n, X)⁵⁴Mn / ⁵²Mn / ⁵¹Cr / ⁴⁸V, E ≈ 0-180 MeV; Pb(n, X)¹⁹⁶Au / ²⁰⁰Pb / ¹⁰³Ru, E ≈ 40-180 MeV; U(n, X)⁹⁹Mo, E ≈ 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P861
- ⁵²Fe 2005GA20 RADIOACTIVITY ⁵²Fe(IT) [from Si(³⁶Ar, X)]; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵²Fe deduced levels, J, π , T_{1/2}, B(E4), yrast trap. Comparison with shell model predictions. JOUR PYLBB 619 88

A=53

- ⁵³Cr 2005BEZT NUCLEAR REACTIONS ³⁵Cl(n, γ), E not given; measured E γ , I γ . ³⁶Cl deduced transitions, level energies, binding energy. ^{52,54}Cr, ⁵⁶Fe, ²⁰⁶Pb(n, γ), E not given; analyzed E γ . ^{53,55}Cr, ⁵⁷Fe, ²⁰⁷Pb deduced binding energies. GAMS4 spectrometer. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1074
- ⁵³Fe 2005DU19 NUCLEAR REACTIONS ²⁸Si(³²S, n2p α), E=125 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ²⁴Mg(³²S, n2p), E=95 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ⁵³Fe deduced high-spin levels, J, π , T_{1/2}, configurations. Gammasphere, Microball, GASP arrays, recoil-distance technique. Comparison with shell-model predictions. JOUR PRVCA 72 014307

A=54

- ⁵⁴Cr 2005BU29 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E ≈ 100 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions B(E2). Comparison with shell model predictions. JOUR PYLBB 622 29
- 2005HUZZ NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E ≈ 136 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced levels, B(E2). CONF Bormio (XLIII Winter Meeting) Proc, P232
- ⁵⁴Mn 2005DIZY NUCLEAR REACTIONS Fe(p, X)⁵⁷Co / ⁵⁶Co / ⁵⁵Co / ⁵⁴Mn / ⁵²Mn / ⁴⁸V / ⁵¹Cr / ⁴⁸Cr / ⁴⁷Sc, E ≈ 20-70 MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1011
- 2005MIZZ NUCLEAR REACTIONS Cu(n, X)⁵⁶Co, E=40-180 MeV; Fe(n, X)⁵⁴Mn / ⁵²Mn / ⁵¹Cr / ⁴⁸V, E ≈ 0-180 MeV; Pb(n, X)¹⁹⁶Au / ²⁰⁰Pb / ¹⁰³Ru, E ≈ 40-180 MeV; U(n, X)⁹⁹Mo, E ≈ 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P861
- ⁵⁴Co 2005SA44 RADIOACTIVITY ⁴⁶V(EC); analyzed masses; deduced Q(EC), log ft. ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁷⁴Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

A=55

- ⁵⁵Cr 2005BEZT NUCLEAR REACTIONS ³⁵Cl(n, γ), E not given; measured E γ , I γ . ³⁶Cl deduced transitions, level energies, binding energy. ^{52,54}Cr, ⁵⁶Fe, ²⁰⁶Pb(n, γ), E not given; analyzed E γ . ^{53,55}Cr, ⁵⁷Fe, ²⁰⁷Pb deduced binding energies. GAMS4 spectrometer. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1074
- ⁵⁵Co 2005DIZY NUCLEAR REACTIONS Fe(p, X)⁵⁷Co / ⁵⁶Co / ⁵⁵Co / ⁵⁴Mn / ⁵²Mn / ⁴⁸V / ⁵¹Cr / ⁴⁸Cr / ⁴⁷Sc, E \approx 20-70 MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1011

A=56

- ⁵⁶Cr 2005BU29 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E \approx 100 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions B(E2). Comparison with shell model predictions. JOUR PYLBB 622 29
- 2005HUZZ NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E \approx 136 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced levels, B(E2). CONF Bormio (XLIII Winter Meeting) Proc,P232
- ⁵⁶Fe 2005EGZZ NUCLEAR REACTIONS ^{3,4}He, ¹²C, ⁵⁶Fe(e, e'), E \approx 4.4-4.7 GeV; measured relative $\sigma(Q^2, x)$; deduced 2- and 3-nucleon short range correlation probabilities. PREPRINT nucl-ex/0508026,8/24/2005
- 2005NEZY NUCLEAR REACTIONS Fe, ⁵⁶Fe(n, n' γ), E \approx 14 MeV; measured absolute σ for production of 847-keV γ -ray. Cr(n, n' γ), E \approx 14 MeV; measured relative σ for production of 1434-keV γ -ray. Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P838
- ⁵⁶Co 2005DIZY NUCLEAR REACTIONS Fe(p, X)⁵⁷Co / ⁵⁶Co / ⁵⁵Co / ⁵⁴Mn / ⁵²Mn / ⁴⁸V / ⁵¹Cr / ⁴⁸Cr / ⁴⁷Sc, E \approx 20-70 MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1011
- 2005MIZZ NUCLEAR REACTIONS Cu(n, X)⁵⁶Co, E=40-180 MeV; Fe(n, X)⁵⁴Mn / ⁵²Mn / ⁵¹Cr / ⁴⁸V, E \approx 0-180 MeV; Pb(n, X)¹⁹⁶Au / ²⁰⁰Pb / ¹⁰³Ru, E \approx 40-180 MeV; U(n, X)⁹⁹Mo, E \approx 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P861
- 2005SEZW NUCLEAR REACTIONS ⁵⁸Ni(n, t), ⁵⁹Co(n, p), ⁶³Cu(n, α), E=14-20 MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1019
- 2005SI21 NUCLEAR REACTIONS Ni(α , X)⁶²Zn / ⁶¹Cu / ⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁸Co, E=21-50 MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR IMPEE 14 611
- 2005ZHZZ NUCLEAR REACTIONS ^{56,57}Fe, ^{90,94}Zr(p, n), E=7-11 MeV; measured En, $\sigma(E)$. ^{56,57}Co, ^{90,94}Nb deduced level densities. Statistical equilibrium and pre-equilibrium model analysis. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P931

A=56 (continued)

- ⁵⁶Ni 2005BRZU NUCLEAR REACTIONS Ti(p, X)⁴⁴Ti, E=21-29 MeV; Ni(p, X)⁵⁶Ni, E=18-28 MeV; Zr(p, X)⁸⁸Zr, E=19-28 MeV; measured production σ . Activation technique, comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1374
- 2005SI21 NUCLEAR REACTIONS Ni(α , X)⁶²Zn / ⁶¹Cu / ⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁸Co, E=21-50 MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR IMPEE 14 611

A=57

- ⁵⁷Cr 2005DE34 NUCLEAR REACTIONS ¹⁴C(⁴⁸Ca, n α), E=130 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁷Cr deduced high-spin levels, J, π , configurations. Gammasphere array, mass separator. JOUR PYLBB 622 151
- ⁵⁷Fe 2005BEZT NUCLEAR REACTIONS ³⁵Cl(n, γ), E not given; measured E γ , I γ . ³⁶Cl deduced transitions, level energies, binding energy. ^{52,54}Cr, ⁵⁶Fe, ²⁰⁶Pb(n, γ), E not given; analyzed E γ . ^{53,55}Cr, ⁵⁷Fe, ²⁰⁷Pb deduced binding energies. GAMS4 spectrometer. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1074
- ⁵⁷Co 2005DIZY NUCLEAR REACTIONS Fe(p, X)⁵⁷Co / ⁵⁶Co / ⁵⁵Co / ⁵⁴Mn / ⁵²Mn / ⁴⁸V / ⁵¹Cr / ⁴⁸Cr / ⁴⁷Sc, E \approx 20-70 MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1011
- 2005ZHZZ NUCLEAR REACTIONS ^{56,57}Fe, ^{90,94}Zr(p, n), E=7-11 MeV; measured En, σ (E). ^{56,57}Co, ^{90,94}Nb deduced level densities. Statistical equilibrium and pre-equilibrium model analysis. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P931
- ⁵⁷Ni 2005SI21 NUCLEAR REACTIONS Ni(α , X)⁶²Zn / ⁶¹Cu / ⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁸Co, E=21-50 MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR IMPEE 14 611

A=58

- ⁵⁸Cr 2005BU29 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E \approx 100 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions B(E2). Comparison with shell model predictions. JOUR PYLBB 622 29
- 2005HUZZ NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E \approx 136 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced levels, B(E2). CONF Bormio (XLIII Winter Meeting) Proc, P232
- ⁵⁸Co 2005SI21 NUCLEAR REACTIONS Ni(α , X)⁶²Zn / ⁶¹Cu / ⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁸Co, E=21-50 MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR IMPEE 14 611

A=58 (continued)

- 2005ZE04 NUCLEAR REACTIONS $^{58}\text{Ni}(t, ^3\text{He})$, $E=112$ MeV / nucleon; measured $\sigma(E, \theta)$; deduced Gamow-Teller strength distribution. JOUR NUPAB 758 67c

A=59

- ^{59}Fe 2005SEZW NUCLEAR REACTIONS $^{58}\text{Ni}(n, t)$, $^{59}\text{Co}(n, p)$, $^{63}\text{Cu}(n, \alpha)$, $E=14-20$ MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1019
- 2005TIZX NUCLEAR REACTIONS Pb, $^{208}\text{Pb}(p, X)^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be , $E=40-2600$ MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl / ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be , $E=40-2600$ MeV; measured production σ . Comparison with model predictions. PREPRINT nucl-ex/0507009, 7/05/2005

A=60

- ^{60}Co 2005SEZW NUCLEAR REACTIONS $^{58}\text{Ni}(n, t)$, $^{59}\text{Co}(n, p)$, $^{63}\text{Cu}(n, \alpha)$, $E=14-20$ MeV; measured activation σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1019

A=61

- ^{61}Cu 2005NAZY NUCLEAR REACTIONS $^{27}\text{Al}(d, X)^{27}\text{Mg}$ / ^{24}Na , $E=22-40$ MeV; $\text{Cu}(d, X)^{62}\text{Zn}$ / ^{63}Zn / ^{61}Cu / ^{64}Cu , $E=22-40$ MeV; $\text{W}(d, X)^{181}\text{Re}$ / ^{182}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{187}W , $E=22-40$ MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1489
- 2005SI21 NUCLEAR REACTIONS $\text{Ni}(\alpha, X)^{62}\text{Zn}$ / ^{61}Cu / ^{56}Ni / ^{57}Ni / ^{56}Co / ^{58}Co , $E=21-50$ MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR IMPEE 14 611

A=62

- ^{62}Co 2005PE12 NUCLEAR REACTIONS $^{197}\text{Au}(^{65}\text{Cu}, X)^{62}\text{Co}$ / ^{63}Co , $E \approx 400-460$ MeV; measured yields. Ion-guide isotope separator. JOUR NIMAE 546 418
- ^{62}Cu 2005MAZP NUCLEAR REACTIONS $^{64}\text{Zn}(n, p)$, ^{64}Zn , $^{63,65}\text{Cu}(n, 2n)$, $E \approx 10-15$ MeV; measured σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P609

A=62 (continued)

- ⁶²Zn 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1489
- 2005SI21 NUCLEAR REACTIONS Ni(α , X)⁶²Zn / ⁶¹Cu / ⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁸Co, E=21-50 MeV; measured excitation functions. Stacked-foil activation, comparison with model predictions. JOUR IMPEE 14 611

A=63

- ⁶³Co 2005PE12 NUCLEAR REACTIONS ¹⁹⁷Au(⁶⁵Cu, X)⁶²Co / ⁶³Co, E \approx 400-460 MeV; measured yields. Ion-guide isotope separator. JOUR NIMAE 546 418
- 2005PE12 RADIOACTIVITY ⁶³Co(β^-) [from ¹⁹⁷Au(⁶⁵Cu, X)]; measured β -delayed E γ , I γ . Ion-guide isotope separator. JOUR NIMAE 546 418
- ⁶³Ni 2005NA31 NUCLEAR REACTIONS ⁶²Ni(n, γ), E=5, 5-90 MeV; measured E γ , I γ , capture σ ; deduced Maxwellian averaged σ . JOUR NUPAB 758 537c
- 2005PE12 RADIOACTIVITY ⁶³Co(β^-) [from ¹⁹⁷Au(⁶⁵Cu, X)]; measured β -delayed E γ , I γ . Ion-guide isotope separator. JOUR NIMAE 546 418
- ⁶³Zn 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1489

A=64

- ⁶⁴Cu 2005HIZX NUCLEAR REACTIONS ⁶⁶Zn(d, α), E=5-14 MeV; Ce(³He, xn)¹⁴⁰Nd, E=16-35 MeV; ¹⁴¹Ce(p, 2n), E=10-45 MeV; ¹⁹²Os(p, n), E=6-19 MeV; measured excitation functions; deduced thick-target yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1631
- 2005MAZP NUCLEAR REACTIONS ⁶⁴Zn(n, p), ⁶⁴Zn, ^{63,65}Cu(n, 2n), E \approx 10-15 MeV; measured σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P609
- 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1489

A=65

No references found

A=66

No references found

A=67

⁶⁷Ga 2005BAZS NUCLEAR REACTIONS ⁶³Cu(α , γ), E=5.9-8.7 MeV; measured σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1366

A=68

No references found

A=69

No references found

A=70

⁷⁰Ni 2004PEZW NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁰Ni, ⁷⁰Ni'), (⁷⁴Zn, ⁷⁴Zn'), (⁷⁶Ge, ⁷⁶Ge'), E \approx 40 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁰Ni, ⁷⁴Zn deduced transitions B(E2). REPT IPNO-T-05-02,Perru

A=71

⁷¹Ge 2005SE14 RADIOACTIVITY ⁷¹As(β^+); measured E γ , E β , β -decay angular distributions from oriented nuclei; deduced β -asymmetry parameter. ⁷¹As deduced ground-state admixture. Low-temperature nuclear orientation technique. JOUR PRVCA 71 064310

⁷¹As 2005SE14 NUCLEAR MOMENTS ⁷¹As; measured E γ , E β , β -decay angular distributions from oriented nuclei; deduced β -asymmetry parameter. ⁷¹As deduced ground-state admixture. Low-temperature nuclear orientation technique. JOUR PRVCA 71 064310

 2005SE14 RADIOACTIVITY ⁷¹As(β^+); measured E γ , E β , β -decay angular distributions from oriented nuclei; deduced β -asymmetry parameter. ⁷¹As deduced ground-state admixture. Low-temperature nuclear orientation technique. JOUR PRVCA 71 064310

⁷¹Br 2005FI10 NUCLEAR REACTIONS ⁴⁰Ca(⁴⁰Ca, p2 α), E=160 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ⁷¹Br deduced levels, J, π , δ , rotational bands, shape coexistence features. ⁷¹Kr; analyzed data; deduced ground-state J, π . Gammasphere, Microball arrays. JOUR PRVCA 72 024321

A=71 (continued)

⁷¹Kr 2005FI10 NUCLEAR REACTIONS ⁴⁰Ca(⁴⁰Ca, p2 α), E=160 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ⁷¹Br deduced levels, J, π , δ , rotational bands, shape coexistence features. ⁷¹Kr; analyzed data; deduced ground-state J, π . Gammasphere, Microball arrays. JOUR PRVCA 72 024321

A=72

⁷²Co 2005MA59 RADIOACTIVITY ^{72,74}Co(β^-) [from Be(⁸⁶Kr, X)]; measured E γ , I γ , $\beta\gamma$ -coin. ⁷⁶Ni(IT) [from Be(⁸⁶Kr, X)]; measured E γ , I γ . ^{72,74,76}Ni deduced levels, J, π . Level systematics in neighboring isotopes discussed. JOUR PYLBB 622 45

⁷²Ni 2005MA59 RADIOACTIVITY ^{72,74}Co(β^-) [from Be(⁸⁶Kr, X)]; measured E γ , I γ , $\beta\gamma$ -coin. ⁷⁶Ni(IT) [from Be(⁸⁶Kr, X)]; measured E γ , I γ . ^{72,74,76}Ni deduced levels, J, π . Level systematics in neighboring isotopes discussed. JOUR PYLBB 622 45

⁷²Kr 2005GA22 NUCLEAR REACTIONS ¹⁹⁷Au(⁷²Kr, ⁷²Kr'), E=69.3 MeV / nucleon; ¹⁹⁷Au(⁷⁸Kr, ⁷⁸Kr'), E=57.4 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{72,78}Kr deduced excitation B(E2), quadrupole moments, deformation. Comparison with shell-model Monte Carlo predictions. JOUR PRLTA 95 022502

A=73

No references found

A=74

⁷⁴Co 2005MA59 RADIOACTIVITY ^{72,74}Co(β^-) [from Be(⁸⁶Kr, X)]; measured E γ , I γ , $\beta\gamma$ -coin. ⁷⁶Ni(IT) [from Be(⁸⁶Kr, X)]; measured E γ , I γ . ^{72,74,76}Ni deduced levels, J, π . Level systematics in neighboring isotopes discussed. JOUR PYLBB 622 45

⁷⁴Ni 2005MA59 RADIOACTIVITY ^{72,74}Co(β^-) [from Be(⁸⁶Kr, X)]; measured E γ , I γ , $\beta\gamma$ -coin. ⁷⁶Ni(IT) [from Be(⁸⁶Kr, X)]; measured E γ , I γ . ^{72,74,76}Ni deduced levels, J, π . Level systematics in neighboring isotopes discussed. JOUR PYLBB 622 45

⁷⁴Zn 2004PEZW NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁰Ni, ⁷⁰Ni'), (⁷⁴Zn, ⁷⁴Zn'), (⁷⁶Ge, ⁷⁶Ge'), E \approx 40 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁷⁰Ni, ⁷⁴Zn deduced transitions B(E2). REPT IPNO-T-05-02, Perru

⁷⁴Rb 2005SA44 RADIOACTIVITY ⁴⁶V(EC); analyzed masses; deduced Q(EC), log ft. ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁷⁴Rb; compiled, analyzed log ft; deduced quark-mixing matrix element. JOUR PRLTA 95 102501

A=75

No references found

A=76

- ⁷⁶Ni 2005MA59 RADIOACTIVITY ^{72,74}Co(β^-) [from Be(⁸⁶Kr, X)]; measured E γ , I γ , $\beta\gamma$ -coin. ⁷⁶Ni(IT) [from Be(⁸⁶Kr, X)]; measured E γ , I γ . ^{72,74,76}Ni deduced levels, J, π . Level systematics in neighboring isotopes discussed. JOUR PYLBB 622 45
- ⁷⁶Ge 2005BA60 RADIOACTIVITY ⁷⁶Ge($2\beta^-$); measured $2\nu\beta\beta$ -decay T_{1/2}, $0\nu\beta\beta$ -decay T_{1/2} lower limit. JOUR FECLA 125 21
- ⁷⁶Se 2005BA60 RADIOACTIVITY ⁷⁶Ge($2\beta^-$); measured $2\nu\beta\beta$ -decay T_{1/2}, $0\nu\beta\beta$ -decay T_{1/2} lower limit. JOUR FECLA 125 21

A=77

No references found

A=78

- ⁷⁸Kr 2005GA22 NUCLEAR REACTIONS ¹⁹⁷Au(⁷²Kr, ⁷²Kr'), E=69.3 MeV / nucleon; ¹⁹⁷Au(⁷⁸Kr, ⁷⁸Kr'), E=57.4 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{72,78}Kr deduced excitation B(E2), quadrupole moments, deformation. Comparison with shell-model Monte Carlo predictions. JOUR PRLTA 95 022502

A=79

No references found

A=80

No references found

A=81

- ⁸¹Kr 2005MUZY NUCLEAR REACTIONS ⁸⁴Kr(n, X), E=0-400 keV; measured total σ . ^{82,84,86}Kr(n, γ), E=0-400 keV; ^{80,83}Kr(n, γ), E=0-5 keV; measured capture σ . ^{80,82,83,84,86}Kr(n, γ), E=5-100 keV; deduced Maxwellian-averaged σ . Astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1327

A=82

⁸² Ga	2004PEZW	RADIOACTIVITY ^{82,83} Ga(β^-) [from ²³⁸ U(n, F)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T _{1/2} . ^{82,83} Ge deduced levels, configurations. REPT IPNO-T-05-02, Perru
⁸² Ge	2004PEZW	RADIOACTIVITY ^{82,83} Ga(β^-) [from ²³⁸ U(n, F)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T _{1/2} . ^{82,83} Ge deduced levels, configurations. REPT IPNO-T-05-02, Perru
⁸² Se	2005SHZW	RADIOACTIVITY ¹⁰⁰ Mo, ⁸² Se($2\beta^-$); measured $0\nu\beta\beta$ -decay T _{1/2} limits. NEMO-3 detector, underground laboratory in Modane. CONF St Petersburg, P42, Shitov
⁸² Kr	2005SHZW	RADIOACTIVITY ¹⁰⁰ Mo, ⁸² Se($2\beta^-$); measured $0\nu\beta\beta$ -decay T _{1/2} limits. NEMO-3 detector, underground laboratory in Modane. CONF St Petersburg, P42, Shitov
⁸² Sr	2005KEZZ	NUCLEAR REACTIONS Ti(p, X) ⁴⁵ Ca, E=30-200 MeV; ⁸⁵ Rb(p, 4n), E=35-70 MeV; measured excitation functions. ⁸⁹ Y(n, p), E=fast; measured spectrum-averaged σ . Activation technique, radiochemical separation, x-ray spectrometry. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P758
	2005UD02	NUCLEAR REACTIONS ⁸⁹ Y(p, X) ⁸⁹ Zr / ⁸⁸ Zr / ⁸⁶ Zr / ⁸⁸ Y / ⁸⁷ Y / ^{87m} Y / ⁸⁶ Y / ⁸⁵ Sr / ⁸³ Sr / ⁸² Sr / ⁸⁴ Rb / ⁸³ Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367

A=83

⁸³ Ga	2004PEZW	RADIOACTIVITY ^{82,83} Ga(β^-) [from ²³⁸ U(n, F)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T _{1/2} . ^{82,83} Ge deduced levels, configurations. REPT IPNO-T-05-02, Perru
⁸³ Ge	2004PEZW	RADIOACTIVITY ^{82,83} Ga(β^-) [from ²³⁸ U(n, F)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T _{1/2} . ^{82,83} Ge deduced levels, configurations. REPT IPNO-T-05-02, Perru
⁸³ Kr	2005MUZY	NUCLEAR REACTIONS ⁸⁴ Kr(n, X), E=0-400 keV; measured total σ . ^{82,84,86} Kr(n, γ), E=0-400 keV; ^{80,83} Kr(n, γ), E=0-5 keV; measured capture σ . ^{80,82,83,84,86} Kr(n, γ), E=5-100 keV; deduced Maxwellian-averaged σ . Astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1327
⁸³ Rb	2005UD02	NUCLEAR REACTIONS ⁸⁹ Y(p, X) ⁸⁹ Zr / ⁸⁸ Zr / ⁸⁶ Zr / ⁸⁸ Y / ⁸⁷ Y / ^{87m} Y / ⁸⁶ Y / ⁸⁵ Sr / ⁸³ Sr / ⁸² Sr / ⁸⁴ Rb / ⁸³ Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367
⁸³ Sr	2005UD02	NUCLEAR REACTIONS ⁸⁹ Y(p, X) ⁸⁹ Zr / ⁸⁸ Zr / ⁸⁶ Zr / ⁸⁸ Y / ⁸⁷ Y / ^{87m} Y / ⁸⁶ Y / ⁸⁵ Sr / ⁸³ Sr / ⁸² Sr / ⁸⁴ Rb / ⁸³ Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367
⁸³ Y	2005YU04	NUCLEAR REACTIONS ⁵⁸ Ni(²⁸ Si, 3p), E=98 MeV; measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ⁸³ Y deduced g-factors for rotational band levels. Transient field technique, comparison with cranking model predictions. JOUR CPLEE 22 1628

A=84

- ⁸⁴Br 2005BEZW NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹³⁰Sb / ¹³²Sb / ¹³¹Te / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; measured E γ , I γ ; deduced isomer yield ratios, fission fragments mean angular momenta. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P641
- ⁸⁴Kr 2005MUZY NUCLEAR REACTIONS ⁸⁴Kr(n, X), E=0-400 keV; measured total σ . ^{82,84,86}Kr(n, γ), E=0-400 keV; ^{80,83}Kr(n, γ), E=0-5 keV; measured capture σ . ^{80,82,83,84,86}Kr(n, γ), E=5-100 keV; deduced Maxwellian-averaged σ . Astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1327
- 2005SH38 ATOMIC MASSES ^{32,33}S, ^{84,86}Kr, ^{129,132}Xe; measured masses. Penning trap. JOUR PLRAA 72 022510
- ⁸⁴Rb 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367

A=85

- ⁸⁵Se 2005TH09 NUCLEAR REACTIONS ²H(⁸⁴Se, p), (¹²⁴Sn, p), E=4.5 MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. ⁸⁵Se, ¹²⁵Sn deduced levels, J, π . JOUR NUPAB 758 663c
- ⁸⁵Br 2005F005 NUCLEAR REACTIONS ¹⁷³Yb(²⁴Mg, X), E=134.5 MeV; ¹⁷⁶Yb(²³Na, X), E=129 MeV; ²⁰⁸Pb(¹⁸O, X), E=91 MeV; measured E γ , I γ , $\gamma\gamma$ -coin following compound nucleus fission. ⁸⁵Br, ⁸⁷Rb deduced high-spin levels, J, π , configurations. Comparison with shell model predictions. JOUR PRVCA 71 064312
- ⁸⁵Kr 2005MUZY NUCLEAR REACTIONS ⁸⁴Kr(n, X), E=0-400 keV; measured total σ . ^{82,84,86}Kr(n, γ), E=0-400 keV; ^{80,83}Kr(n, γ), E=0-5 keV; measured capture σ . ^{80,82,83,84,86}Kr(n, γ), E=5-100 keV; deduced Maxwellian-averaged σ . Astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1327
- ⁸⁵Sr 2005DI15 NUCLEAR REACTIONS ⁷⁴Se, ⁸⁴Sr(n, γ), E=spectrum; measured σ , isomer ratio. Activation technique. JOUR NUPAB 758 513c
- 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367

A=86

- ⁸⁶Kr 2005SH38 ATOMIC MASSES ^{32,33}S, ^{84,86}Kr, ^{129,132}Xe; measured masses. Penning trap. JOUR PLRAA 72 022510

A=86 (continued)

- ⁸⁶Rb 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ . Comparison with model predictions. PREPRINT nucl-ex/0507009, 7/05/2005
- ⁸⁶Y 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367
- ⁸⁶Zr 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367

A=87

- ⁸⁷Kr 2005MUZY NUCLEAR REACTIONS ⁸⁴Kr(n, X), E=0-400 keV; measured total σ . ^{82,84,86}Kr(n, γ), E=0-400 keV; ^{80,83}Kr(n, γ), E=0-5 keV; measured capture σ . ^{80,82,83,84,86}Kr(n, γ), E=5-100 keV; deduced Maxwellian-averaged σ . Astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1327
- ⁸⁷Rb 2005F005 NUCLEAR REACTIONS ¹⁷³Yb(²⁴Mg, X), E=134.5 MeV; ¹⁷⁶Yb(²³Na, X), E=129 MeV; ²⁰⁸Pb(¹⁸O, X), E=91 MeV; measured E γ , I γ , $\gamma\gamma$ -coin following compound nucleus fission. ⁸⁵Br, ⁸⁷Rb deduced high-spin levels, J, π , configurations. Comparison with shell model predictions. JOUR PRVCA 71 064312
- ⁸⁷Sr 2005SEZX NUCLEAR REACTIONS ^{90,94}Zr(n, α), ^{90,91,92,94}Zr(n, p), ^{91,92}Zr(n, np+d), E=14-20 MeV; measured activation σ . Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P981
- ⁸⁷Y 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367

A=88

- ⁸⁸Kr 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ⁸⁸Y 2005TAZT NUCLEAR REACTIONS Mo, Nb, Zr, Y(p, X)⁸⁸Zr / ⁸⁸Y, E \approx 20-80 MeV; Mo, Zr, Y(d, X)⁸⁸Zr / ⁸⁸Y, E \approx 5-50 MeV; measured excitation functions; deduced thick-target yields. Comparison with previous results. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1658
- 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367
- ⁸⁸Zr 2005BRZU NUCLEAR REACTIONS Ti(p, X)⁴⁴Ti, E=21-29 MeV; Ni(p, X)⁵⁶Ni, E=18-28 MeV; Zr(p, X)⁸⁸Zr, E=19-28 MeV; measured production σ . Activation technique, comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1374
- 2005TAZT NUCLEAR REACTIONS Mo, Nb, Zr, Y(p, X)⁸⁸Zr / ⁸⁸Y, E \approx 20-80 MeV; Mo, Zr, Y(d, X)⁸⁸Zr / ⁸⁸Y, E \approx 5-50 MeV; measured excitation functions; deduced thick-target yields. Comparison with previous results. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1658
- 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367

A=89

- ⁸⁹Kr 2005GA25 NUCLEAR REACTIONS ²⁴⁸Cm(γ , F)⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr / ¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe, E=25 MeV bremsstrahlung; measured E γ , I γ ; deduced yields. JOUR FECLA 125 44
- ⁸⁹Sr 2005KEZZ NUCLEAR REACTIONS Ti(p, X)⁴⁵Ca, E=30-200 MeV; ⁸⁵Rb(p, 4n), E=35-70 MeV; measured excitation functions. ⁸⁹Y(n, p), E=fast; measured spectrum-averaged σ . Activation technique, radiochemical separation, x-ray spectrometry. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P758
- ⁸⁹Y 2005KIZV NUCLEAR REACTIONS ⁸⁹Y(α , α), E=16.165 MeV; measured $\sigma(\theta)$. REPT ATOMKI 2004 Annual,P14,Kiss
- 2005WAZS NUCLEAR REACTIONS ⁸²Se(¹⁷N, X), E=104 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{89,90}Y, ⁹³Nb deduced transitions, possible high-spin isomers. REPT CNS-REP-66,P15,Wakabayashi

A=89 (continued)

⁸⁹Zr 2005UD02 NUCLEAR REACTIONS ⁸⁹Y(p, X)⁸⁹Zr / ⁸⁸Zr / ⁸⁶Zr / ⁸⁸Y / ⁸⁷Y / ^{87m}Y / ⁸⁶Y / ⁸⁵Sr / ⁸³Sr / ⁸²Sr / ⁸⁴Rb / ⁸³Rb, E=15-80 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. JOUR ARISE 63 367

A=90

⁹⁰Y 2005SEZX NUCLEAR REACTIONS ^{90,94}Zr(n, α), ^{90,91,92,94}Zr(n, p), ^{91,92}Zr(n, np+d), E=14-20 MeV; measured activation σ. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P981

2005WAZS NUCLEAR REACTIONS ⁸²Se(¹⁷N, X), E=104 MeV; measured prompt and delayed Eγ, Iγ, γγ-coin. ^{89,90}Y, ⁹³Nb deduced transitions, possible high-spin isomers. REPT CNS-REP-66,P15,Wakabayashi

⁹⁰Zr 2005CH53 NUCLEAR REACTIONS ⁹²Zr(α, α'), (α, ³HeX), (α, tX), (α, dX), (α, pX), E=51 MeV; measured particle spectra. ⁹²Zr(α, α'), (α, xnα), E=51 MeV; measured Eγ, Iγ, αγ-coin. ^{90,91,92}Zr deduced transitions. Surrogate reaction technique. JOUR NUPAB 758 126c

⁹⁰Nb 2005ALZZ NUCLEAR REACTIONS ⁹³Nb(γ, n), (γ, 3n), , E=50 MeV bremsstrahlung; measured Eγ, Iγ; deduced yield ratio. HPGe detectors, microtron. CONF St Petersburg,P56,Aliev

2005MU21 NUCLEAR REACTIONS ¹¹⁵In(n, n'), ²⁷Al(n, α), ⁹³Nb(n, 2n), (n, 4n), ²⁰⁹Bi(n, 4n), (n, 5n), (n, 6n), (n, 7n), E ≈ 10-1000 MeV; measured reaction rates. Comparison with model predictions. JOUR NIMAE 547 555

2005ZHZZ NUCLEAR REACTIONS ^{56,57}Fe, ^{90,94}Zr(p, n), E=7-11 MeV; measured En, σ(E). ^{56,57}Co, ^{90,94}Nb deduced level densities. Statistical equilibrium and pre-equilibrium model analysis. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P931

A=91

⁹¹Kr 2005GA25 NUCLEAR REACTIONS ²⁴⁸Cm(γ, F)⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr / ¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe, E=25 MeV bremsstrahlung; measured Eγ, Iγ; deduced yields. JOUR FECLA 125 44

⁹¹Sr 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam

A=91 (continued)

- 2005SEZX NUCLEAR REACTIONS $^{90,94}\text{Zr}(n, \alpha)$, $^{90,91,92,94}\text{Zr}(n, p)$, $^{91,92}\text{Zr}(n, np+d)$, E=14-20 MeV; measured activation σ . Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P981
- ^{91}Y 2005SEZX NUCLEAR REACTIONS $^{90,94}\text{Zr}(n, \alpha)$, $^{90,91,92,94}\text{Zr}(n, p)$, $^{91,92}\text{Zr}(n, np+d)$, E=14-20 MeV; measured activation σ . Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P981
- ^{91}Zr 2005CH53 NUCLEAR REACTIONS $^{92}\text{Zr}(\alpha, \alpha')$, $(\alpha, {}^3\text{HeX})$, (α, tX) , (α, dX) , (α, pX) , E=51 MeV; measured particle spectra. $^{92}\text{Zr}(\alpha, \alpha')$, $(\alpha, xn\alpha)$, E=51 MeV; measured $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin. $^{90,91,92}\text{Zr}$ deduced transitions. Surrogate reaction technique. JOUR NUPAB 758 126c
- 2005FUZV NUCLEAR REACTIONS $^{82}\text{Se}({}^{16}\text{O}, 3n\alpha)$, E not given; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{91}Zr deduced high-spin levels. REPT CNS-REP-66, P17, Fukuchi
- 2005MOZW NUCLEAR REACTIONS $^{90,91,92,94,96}\text{Zr}(n, \gamma)$, E<100 keV; measured $E\gamma$, $I\gamma$, capture yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P880
- 2005TA23 NUCLEAR REACTIONS $^{90,91,92,94,96}\text{Zr}(n, \gamma)$, E<1 MeV; measured $E\gamma$, $I\gamma$, capture yields. JOUR NUPAB 758 573c
- ^{91}Rh 2005MA55 NUCLEAR REACTIONS $^{54}\text{Fe}({}^{40}\text{Ca}, 2np)$, E=130 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ^{91}Rh deduced high-spin levels, J, π , configurations, possible isomeric state. GASP, ISIS arrays, comparison with shell model predictions. JOUR PRVCA 72 014302

A=92

- ^{92}Kr 2005GA25 NUCLEAR REACTIONS $^{248}\text{Cm}(\gamma, F)^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr} / ^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe}$, E=25 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced yields. JOUR FECLA 125 44
- ^{92}Sr 2005ADZZ NUCLEAR REACTIONS $^{129}\text{I}(n, 7n)$, $(n, 6n)$, $(n, 4n)$, (n, γ) , E=fast; $^{237}\text{Np}(n, \gamma)$, E=fast; measured yields. $^{237}\text{Np}(n, F)^{91}\text{Sr} / ^{97}\text{Zr} / ^{132}\text{Te} / ^{133}\text{I} / ^{135}\text{I}$, E=fast; $^{238}\text{Pu}(n, F)^{97}\text{Zr} / ^{129}\text{Sb} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{Xe} / ^{105}\text{Ru}$, E=fast; $^{239}\text{Pu}(n, F)^{88}\text{Kr} / ^{91}\text{Sr} / ^{92}\text{Sr} / ^{92}\text{Y} / ^{97}\text{Zr} / ^{99}\text{Mo} / ^{103}\text{Ru} / ^{105}\text{Ru} / ^{128}\text{Sb} / ^{129}\text{Sb} / ^{132}\text{Te} / ^{131}\text{I} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{I} / ^{135}\text{Xe} / ^{143}\text{Ce} / ^{140}\text{Ba} / ^{140}\text{La}$, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg, P195, Adam
- ^{92}Y 2005ADZZ NUCLEAR REACTIONS $^{129}\text{I}(n, 7n)$, $(n, 6n)$, $(n, 4n)$, (n, γ) , E=fast; $^{237}\text{Np}(n, \gamma)$, E=fast; measured yields. $^{237}\text{Np}(n, F)^{91}\text{Sr} / ^{97}\text{Zr} / ^{132}\text{Te} / ^{133}\text{I} / ^{135}\text{I}$, E=fast; $^{238}\text{Pu}(n, F)^{97}\text{Zr} / ^{129}\text{Sb} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{Xe} / ^{105}\text{Ru}$, E=fast; $^{239}\text{Pu}(n, F)^{88}\text{Kr} / ^{91}\text{Sr} / ^{92}\text{Sr} / ^{92}\text{Y} / ^{97}\text{Zr} / ^{99}\text{Mo} / ^{103}\text{Ru} / ^{105}\text{Ru} / ^{128}\text{Sb} / ^{129}\text{Sb} / ^{132}\text{Te} / ^{131}\text{I} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{I} / ^{135}\text{Xe} / ^{143}\text{Ce} / ^{140}\text{Ba} / ^{140}\text{La}$, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg, P195, Adam

A=92 (continued)

- 2005SEZX NUCLEAR REACTIONS $^{90,94}\text{Zr}(n, \alpha)$, $^{90,91,92,94}\text{Zr}(n, p)$, $^{91,92}\text{Zr}(n, np+d)$, E=14-20 MeV; measured activation σ . Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P981
- ^{92}Zr 2005CH53 NUCLEAR REACTIONS $^{92}\text{Zr}(\alpha, \alpha')$, $(\alpha, {}^3\text{HeX})$, (α, tX) , (α, dX) , (α, pX) , E=51 MeV; measured particle spectra. $^{92}\text{Zr}(\alpha, \alpha')$, $(\alpha, xn\alpha)$, E=51 MeV; measured $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin. $^{90,91,92}\text{Zr}$ deduced transitions. Surrogate reaction technique. JOUR NUPAB 758 126c
- 2005MOZW NUCLEAR REACTIONS $^{90,91,92,94,96}\text{Zr}(n, \gamma)$, E<100 keV; measured $E\gamma$, $I\gamma$, capture yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P880
- 2005PA48 NUCLEAR REACTIONS $^{176}\text{Yb}({}^{28}\text{Si}, X)^{92}\text{Zr} / ^{93}\text{Zr} / ^{94}\text{Zr} / ^{95}\text{Zr} / ^{96}\text{Zr}$, E=145 MeV; $^{176}\text{Yb}({}^{31}\text{P}, X)^{92}\text{Zr} / ^{93}\text{Zr} / ^{94}\text{Zr} / ^{95}\text{Zr} / ^{96}\text{Zr}$, E=152 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{92,93,94,95,96}\text{Zr}$ deduced high-spin levels, J, π , configurations. Eurogam II and Euroball IV arrays, comparisons with shell-model predictions. JOUR PRVCA 72 024304
- 2005TA23 NUCLEAR REACTIONS $^{90,91,92,94,96}\text{Zr}(n, \gamma)$, E<1 MeV; measured $E\gamma$, $I\gamma$, capture yields. JOUR NUPAB 758 573c
- ^{92}Nb 2005ALZZ NUCLEAR REACTIONS $^{93}\text{Nb}(\gamma, n)$, $(\gamma, 3n)$, , E=50 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced yield ratio. HPGe detectors, microtron. CONF St Petersburg, P56, Aliev
- 2005MU21 NUCLEAR REACTIONS $^{115}\text{In}(n, n')$, $^{27}\text{Al}(n, \alpha)$, $^{93}\text{Nb}(n, 2n)$, $(n, 4n)$, $^{209}\text{Bi}(n, 4n)$, $(n, 5n)$, $(n, 6n)$, $(n, 7n)$, E \approx 10-1000 MeV; measured reaction rates. Comparison with model predictions. JOUR NIMAE 547 555
- ^{92}Rh 2005MUZX RADIOACTIVITY $^{94m}\text{Ag}(2p)$ [from $^{58}\text{Ni}({}^{40}\text{Ca}, 3np)$]; measured $E\gamma$, E_p , pp^- , $\gamma\gamma^-$, $p\gamma$ -coin; deduced two-proton decay branching ratio. ^{92}Rh deduced levels, J, π . REPT GSI 2005-1, P87, Mukha

A=93

- ^{93}Kr 2005GA25 NUCLEAR REACTIONS $^{248}\text{Cm}(\gamma, F)^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr} / ^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe}$, E=25 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced yields. JOUR FECLA 125 44
- ^{93}Zr 2005MOZW NUCLEAR REACTIONS $^{90,91,92,94,96}\text{Zr}(n, \gamma)$, E<100 keV; measured $E\gamma$, $I\gamma$, capture yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P880
- 2005OHZX NUCLEAR REACTIONS $^{92}\text{Zr}(n, \gamma)$, E=15-90, 550 keV; measured $E\gamma$, capture σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P945
- 2005PA48 NUCLEAR REACTIONS $^{176}\text{Yb}({}^{28}\text{Si}, X)^{92}\text{Zr} / ^{93}\text{Zr} / ^{94}\text{Zr} / ^{95}\text{Zr} / ^{96}\text{Zr}$, E=145 MeV; $^{176}\text{Yb}({}^{31}\text{P}, X)^{92}\text{Zr} / ^{93}\text{Zr} / ^{94}\text{Zr} / ^{95}\text{Zr} / ^{96}\text{Zr}$, E=152 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{92,93,94,95,96}\text{Zr}$ deduced high-spin levels, J, π , configurations. Eurogam II and Euroball IV arrays, comparisons with shell-model predictions. JOUR PRVCA 72 024304

A=93 (continued)

	2005TA23	NUCLEAR REACTIONS $^{90,91,92,94,96}\text{Zr}(n, \gamma)$, $E < 1$ MeV; measured $E\gamma$, $I\gamma$, capture yields. JOUR NUPAB 758 573c
^{93}Nb	2005WAZS	NUCLEAR REACTIONS $^{82}\text{Se}(^{17}\text{N}, X)$, $E=104$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{89,90}\text{Y}$, ^{93}Nb deduced transitions, possible high-spin isomers. REPT CNS-REP-66,P15,Wakabayashi
^{93}Mo	2005CHZW	NUCLEAR REACTIONS $^{94,96}\text{Mo}(^3\text{He}, ^3\text{He}')$, $(^3\text{He}, \alpha)$, $E=30$ MeV; $^{97,98}\text{Mo}(^3\text{He}, ^3\text{He}')$, $(^3\text{He}, \alpha)$, $E=45$ MeV; measured particle spectra, $E\gamma$, $I\gamma$, (particle) γ -coin. $^{93,94,95,96,97,98}\text{Mo}$ deduced level density parameters, thermodynamic quantities. PREPRINT nucl-ex/0507007,7/04/2005
^{93}Tc	2005NA28	RADIOACTIVITY $^{93m}\text{Tc}(\text{IT})$ [from $^{45}\text{Sc}(^{52}\text{Cr}, 2n2p)$]; measured $E\gamma$, $I\gamma$, γ asymmetry from polarized nucleus decay. ^{93}Tc deduced parity nonconservation in isomeric state decay. JOUR PRVCA 72 027303
^{93}Pd	2005MU15	RADIOACTIVITY $^{94m}\text{Ag}(p)$ [from $^{58}\text{Ni}(^{40}\text{Ca}, 3np)$]; measured E_p , $\gamma\gamma$ -, $p\gamma$ -coin, $T_{1/2}$ following decay of high-spin isomer; deduced branching ratios, Q-value. ^{94}Ag deduced isomer configuration, deformation. ^{93}Pd deduced levels. JOUR PRLTA 95 022501

A=94

^{94}Y	2005SEZX	NUCLEAR REACTIONS $^{90,94}\text{Zr}(n, \alpha)$, $^{90,91,92,94}\text{Zr}(n, p)$, $^{91,92}\text{Zr}(n, np+d)$, $E=14-20$ MeV; measured activation σ . Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P981
^{94}Zr	2005PA48	NUCLEAR REACTIONS $^{176}\text{Yb}(^{28}\text{Si}, X)^{92}\text{Zr} / ^{93}\text{Zr} / ^{94}\text{Zr} / ^{95}\text{Zr} / ^{96}\text{Zr}$, $E=145$ MeV; $^{176}\text{Yb}(^{31}\text{P}, X)^{92}\text{Zr} / ^{93}\text{Zr} / ^{94}\text{Zr} / ^{95}\text{Zr} / ^{96}\text{Zr}$, $E=152$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{92,93,94,95,96}\text{Zr}$ deduced high-spin levels, J , π , configurations. Eurogam II and Euroball IV arrays, comparisons with shell-model predictions. JOUR PRVCA 72 024304
^{94}Nb	2005ZHZZ	NUCLEAR REACTIONS $^{56,57}\text{Fe}$, $^{90,94}\text{Zr}(p, n)$, $E=7-11$ MeV; measured E_n , $\sigma(E)$. $^{56,57}\text{Co}$, $^{90,94}\text{Nb}$ deduced level densities. Statistical equilibrium and pre-equilibrium model analysis. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P931
^{94}Mo	2005CHZW	NUCLEAR REACTIONS $^{94,96}\text{Mo}(^3\text{He}, ^3\text{He}')$, $(^3\text{He}, \alpha)$, $E=30$ MeV; $^{97,98}\text{Mo}(^3\text{He}, ^3\text{He}')$, $(^3\text{He}, \alpha)$, $E=45$ MeV; measured particle spectra, $E\gamma$, $I\gamma$, (particle) γ -coin. $^{93,94,95,96,97,98}\text{Mo}$ deduced level density parameters, thermodynamic quantities. PREPRINT nucl-ex/0507007,7/04/2005
^{94}Ag	2005MU15	RADIOACTIVITY $^{94m}\text{Ag}(p)$ [from $^{58}\text{Ni}(^{40}\text{Ca}, 3np)$]; measured E_p , $\gamma\gamma$ -, $p\gamma$ -coin, $T_{1/2}$ following decay of high-spin isomer; deduced branching ratios, Q-value. ^{94}Ag deduced isomer configuration, deformation. ^{93}Pd deduced levels. JOUR PRLTA 95 022501
	2005MUZX	RADIOACTIVITY $^{94m}\text{Ag}(2p)$ [from $^{58}\text{Ni}(^{40}\text{Ca}, 3np)$]; measured $E\gamma$, E_p , pp -, $\gamma\gamma$ -, $p\gamma$ -coin; deduced two-proton decay branching ratio. ^{92}Rh deduced levels, J , π . REPT GSI 2005-1,P87,Mukha

A=95

⁹⁵ Zr	2005MOZW	NUCLEAR REACTIONS ^{90,91,92,94,96} Zr(n, γ), E<100 keV; measured E γ , I γ , capture yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Voll,P880
	2005PA48	NUCLEAR REACTIONS ¹⁷⁶ Yb(²⁸ Si, X) ⁹² Zr / ⁹³ Zr / ⁹⁴ Zr / ⁹⁵ Zr / ⁹⁶ Zr, E=145 MeV; ¹⁷⁶ Yb(³¹ P, X) ⁹² Zr / ⁹³ Zr / ⁹⁴ Zr / ⁹⁵ Zr / ⁹⁶ Zr, E=152 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{92,93,94,95,96} Zr deduced high-spin levels, J, π , configurations. Eurogam II and Euroball IV arrays, comparisons with shell-model predictions. JOUR PRVCA 72 024304
	2005TA23	NUCLEAR REACTIONS ^{90,91,92,94,96} Zr(n, γ), E<1 MeV; measured E γ , I γ , capture yields. JOUR NUPAB 758 573c
	2005UOZZ	NUCLEAR REACTIONS U(p, F) ⁹⁵ Zr / ¹¹⁵ Cd / ¹³⁴ Cs / ¹³⁶ Cs / ¹³⁷ Cs / ¹⁴⁷ Nd, E \approx 20-70 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1547
⁹⁵ Mo	2005CHZW	NUCLEAR REACTIONS ^{94,96} Mo(³ He, ³ He'), (³ He, α), E=30 MeV; ^{97,98} Mo(³ He, ³ He'), (³ He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98} Mo deduced level density parameters, thermodynamic quantities. PREPRINT nucl-ex/0507007,7/04/2005
	2005HA49	NUCLEAR REACTIONS ⁹² Mo(α , γ), E=9 MeV; ⁹¹ Zr(α , γ), E=10.5 MeV; ¹¹⁸ Sn(α , γ), E=11.5 MeV; measured E γ , I γ . ⁹¹ Zr, ¹¹⁸ Sn(α , γ), E(cm) \approx 9-11 MeV; measured σ . Comparison with model predictions. JOUR NUPAB 758 505c
⁹⁵ Tc	2005MU22	NUCLEAR REACTIONS ⁹³ Nb(α , 2n), E \approx 20-120 MeV; measured excitation function, isomer yield ratio. Activation technique, comparison with model predictions. JOUR PRVCA 72 014609
⁹⁵ Pd	2005HA45	RADIOACTIVITY ⁹⁵ Ag(EC) [from ⁵⁸ Ni(⁴⁰ Ca, 2np)]; measured β -delayed E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ⁹⁵ Pd deduced levels, J, π . Mass separator. Comparison with shell-model predictions. JOUR PRVCA 72 024303
⁹⁵ Ag	2005HA45	RADIOACTIVITY ⁹⁵ Ag(EC) [from ⁵⁸ Ni(⁴⁰ Ca, 2np)]; measured β -delayed E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ⁹⁵ Pd deduced levels, J, π . Mass separator. Comparison with shell-model predictions. JOUR PRVCA 72 024303

A=96

⁹⁶ Rb	2005PI13	NUCLEAR REACTIONS ²⁴¹ Pu(n, F) ⁹⁶ Rb, E=thermal; measured delayed E γ , I γ , E(ce), I(ce), $\gamma\gamma$ -, (ce) γ -coin, X-ray spectra. ⁹⁶ Rb deduced levels, J, π , configurations, deformation, isomer T _{1/2} . Mass separator, comparisons with neighboring nuclides. JOUR PRVCA 71 064327
------------------	----------	--

A=96 (continued)

- ⁹⁶Zr 2005PA48 NUCLEAR REACTIONS ¹⁷⁶Yb(²⁸Si, X)⁹²Zr / ⁹³Zr / ⁹⁴Zr / ⁹⁵Zr / ⁹⁶Zr, E=145 MeV; ¹⁷⁶Yb(³¹P, X)⁹²Zr / ⁹³Zr / ⁹⁴Zr / ⁹⁵Zr / ⁹⁶Zr, E=152 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{92,93,94,95,96}Zr deduced high-spin levels, J, π , configurations. Eurogam II and Euroball IV arrays, comparisons with shell-model predictions. JOUR PRVCA 72 024304
- ⁹⁶Mo 2005CHZW NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ^{97,98}Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced level density parameters, thermodynamic quantities. PREPRINT nucl-ex/0507007,7/04/2005
- ⁹⁶Ru 2005HA49 NUCLEAR REACTIONS ⁹²Mo(α , γ), E=9 MeV; ⁹¹Zr(α , γ), E=10.5 MeV; ¹¹⁸Sn(α , γ), E=11.5 MeV; measured E γ , I γ . ⁹¹Zr, ¹¹⁸Sn(α , γ), E(cm) \approx 9-11 MeV; measured σ . Comparison with model predictions. JOUR NUPAB 758 505c

A=97

- ⁹⁷Zr 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- 2005HU14 RADIOACTIVITY ⁹⁷Zr(β^-) [from Zr(n, X)]; measured T_{1/2}. JOUR JRNCD 265 499
- 2005MOZW NUCLEAR REACTIONS ^{90,91,92,94,96}Zr(n, γ), E<100 keV; measured E γ , I γ , capture yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P880
- 2005TA23 NUCLEAR REACTIONS ^{90,91,92,94,96}Zr(n, γ), E<1 MeV; measured E γ , I γ , capture yields. JOUR NUPAB 758 573c
- ⁹⁷Nb 2005HU14 RADIOACTIVITY ⁹⁷Zr(β^-) [from Zr(n, X)]; measured T_{1/2}. JOUR JRNCD 265 499
- ⁹⁷Mo 2005CHZW NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ^{97,98}Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced level density parameters, thermodynamic quantities. PREPRINT nucl-ex/0507007,7/04/2005

A=98

- ⁹⁸Mo 2005CHZW NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ^{97,98}Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, Eγ, Iγ, (particle)γ-coin. ^{93,94,95,96,97,98}Mo deduced level density parameters, thermodynamic quantities. PREPRINT nucl-ex/0507007,7/04/2005
- 2005RU14 NUCLEAR REACTIONS ^{98,100}Mo(γ, γ'), E=3.2-3.8 MeV bremsstrahlung; measured Eγ, Iγ. ^{98,100}Mo deduced levels, J, π, branching ratios, transition probabilities, shape isomer configuration mixing features. JOUR PRLTA 95 062501

A=99

- ⁹⁹Mo 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- 2005MIZZ NUCLEAR REACTIONS Cu(n, X)⁵⁶Co, E=40-180 MeV; Fe(n, X)⁵⁴Mn / ⁵²Mn / ⁵¹Cr / ⁴⁸V, E ≈ 0-180 MeV; Pb(n, X)¹⁹⁶Au / ²⁰⁰Pb / ¹⁰³Ru, E ≈ 40-180 MeV; U(n, X)⁹⁹Mo, E ≈ 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P861

A=100

- ¹⁰⁰Mo 2005RU14 NUCLEAR REACTIONS ^{98,100}Mo(γ, γ'), E=3.2-3.8 MeV bremsstrahlung; measured Eγ, Iγ. ^{98,100}Mo deduced levels, J, π, branching ratios, transition probabilities, shape isomer configuration mixing features. JOUR PRLTA 95 062501
- 2005SHZW RADIOACTIVITY ¹⁰⁰Mo, ⁸²Se(2β⁻); measured 0νββ-decay T_{1/2} limits. NEMO-3 detector, underground laboratory in Modane. CONF St Petersburg,P42,Shitov
- ¹⁰⁰Tc 2005FUZY NUCLEAR REACTIONS ⁹⁹Tc(n, γ), E=thermal; measured prompt and delayed Eγ, Iγ; deduced capture σ, reaction σ lower limit. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1454
- 2005FUZY RADIOACTIVITY ¹⁰⁰Tc(β⁻) [from ⁹⁹Tc(n, γ)]; measured Eγ, Iγ. ¹⁰⁰Ru deduced transitions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1454
- ¹⁰⁰Ru 2005FUZY RADIOACTIVITY ¹⁰⁰Tc(β⁻) [from ⁹⁹Tc(n, γ)]; measured Eγ, Iγ. ¹⁰⁰Ru deduced transitions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1454
- 2005SHZW RADIOACTIVITY ¹⁰⁰Mo, ⁸²Se(2β⁻); measured 0νββ-decay T_{1/2} limits. NEMO-3 detector, underground laboratory in Modane. CONF St Petersburg,P42,Shitov

A=101

- ¹⁰¹Rh 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ . Comparison with model predictions. PREPRINT nucl-ex/0507009,7/05/2005

A=102

- ¹⁰²Ru 2005S009 NUCLEAR REACTIONS ⁹⁶Zr(¹³C, 3n α), E=51, 58 MeV; measured E γ , I γ , $\gamma\gamma$ -, $\gamma\alpha$ -coin. ¹⁰²Ru deduced high-spin levels J, π , configurations, B(M1) / B(E2). Euroball IV and Diamant arrays. JOUR PRVCA 71 064302
- ¹⁰²Cd 2005KA34 RADIOACTIVITY ¹⁰³Sn(β^+), (EC), (ECp), (β^+ p) [from ⁵⁰Cr(⁵⁸Ni, n α)]; measured E γ , I γ , $\beta\gamma$ -, $\gamma\gamma$ -coin, T_{1/2}, Q(EC), β -delayed proton spectra; deduced log ft, Gamow-Teller strength distribution, proton decay branching ratio. ¹⁰³In deduced levels, J, π . Total absorption spectrometer. JOUR ZAANE 25 211

A=103

- ¹⁰³Ru 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- 2005MIZZ NUCLEAR REACTIONS Cu(n, X)⁵⁶Co, E=40-180 MeV; Fe(n, X)⁵⁴Mn / ⁵²Mn / ⁵¹Cr / ⁴⁸V, E \approx 0-180 MeV; Pb(n, X)¹⁹⁶Au / ²⁰⁰Pb / ¹⁰³Ru, E \approx 40-180 MeV; U(n, X)⁹⁹Mo, E \approx 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P861
- ¹⁰³Rh 2005BRZV NUCLEAR REACTIONS ¹⁰³Rh(n, n), (n, γ), E=0.01-1000 eV; measured capture and transmission σ . ¹⁰³Rh deduced resonance parameters. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P953
- ¹⁰³Pd 2005SKZZ NUCLEAR REACTIONS ¹⁰⁰Ru(α , n), E=12-25 MeV; ¹⁰¹Ru(α , 2n), E=15-25 MeV; ¹⁰¹Ru(³He, n), E=15-34 MeV; ¹⁰²Ru(³He, 2n), E=15-34 MeV; measured excitation functions; deduced thick-target yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1634

A=103 (continued)

- ^{103}Ag 2005HEZW NUCLEAR REACTIONS Pd(α , X) ^{103}Ag / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag / ^{112}Ag / ^{104}Cd / ^{105}Cd / ^{111m}Cd , E \approx 20-37 MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P961
- ^{103}In 2005KA34 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC), (ECp), (β^+ p) [from $^{50}\text{Cr}(^{58}\text{Ni}, n\alpha)$]; measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin, T $_{1/2}$, Q(EC), β -delayed proton spectra; deduced log ft, Gamow-Teller strength distribution, proton decay branching ratio. ^{103}In deduced levels, J, π . Total absorption spectrometer. JOUR ZAANE 25 211
- ^{103}Sn 2005KA34 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC), (ECp), (β^+ p) [from $^{50}\text{Cr}(^{58}\text{Ni}, n\alpha)$]; measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin, T $_{1/2}$, Q(EC), β -delayed proton spectra; deduced log ft, Gamow-Teller strength distribution, proton decay branching ratio. ^{103}In deduced levels, J, π . Total absorption spectrometer. JOUR ZAANE 25 211

A=104

- ^{104}Rh 2005BRZV NUCLEAR REACTIONS $^{103}\text{Rh}(n, n)$, (n, γ), E=0.01-1000 eV; measured capture and transmission σ . ^{103}Rh deduced resonance parameters. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P953
- ^{104}Cd 2005HEZW NUCLEAR REACTIONS Pd(α , X) ^{103}Ag / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag / ^{112}Ag / ^{104}Cd / ^{105}Cd / ^{111m}Cd , E \approx 20-37 MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P961
- ^{104}Sn 2005LIZY RADIOACTIVITY $^{105}\text{Sb}(p)$ [from $^{50}\text{Cr}(^{58}\text{Ni}, 2np)$]; measured Ep; deduced upper limit for proton decay branching ratio. REPT GSI 2005-1,P85,Liu

A=105

- ^{105}Ru 2005ADZZ NUCLEAR REACTIONS $^{129}\text{I}(n, 7n)$, ($n, 6n$), ($n, 4n$), (n, γ), E=fast; $^{237}\text{Np}(n, \gamma)$, E=fast; measured yields. $^{237}\text{Np}(n, F)^{91}\text{Sr}$ / ^{97}Zr / ^{132}Te / ^{133}I / ^{135}I , E=fast; $^{238}\text{Pu}(n, F)^{97}\text{Zr}$ / ^{129}Sb / ^{132}I / ^{133}I / ^{135}Xe / ^{105}Ru , E=fast; $^{239}\text{Pu}(n, F)^{88}\text{Kr}$ / ^{91}Sr / ^{92}Sr / ^{92}Y / ^{97}Zr / ^{99}Mo / ^{103}Ru / ^{105}Ru / ^{128}Sb / ^{129}Sb / ^{132}Te / ^{131}I / ^{132}I / ^{133}I / ^{135}I / ^{135}Xe / ^{143}Ce / ^{140}Ba / ^{140}La , E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ^{105}Ag 2005HEZW NUCLEAR REACTIONS Pd(α , X) ^{103}Ag / ^{105}Ag / ^{106m}Ag / ^{110m}Ag / ^{111}Ag / ^{112}Ag / ^{104}Cd / ^{105}Cd / ^{111m}Cd , E \approx 20-37 MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P961

A=105 (continued)

- ¹⁰⁵Cd 2005HEZW NUCLEAR REACTIONS Pd(α , X)¹⁰³Ag / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag / ¹¹²Ag / ¹⁰⁴Cd / ¹⁰⁵Cd / ^{111m}Cd, E \approx 20-37 MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P961
- ¹⁰⁵Sb 2005LIZY NUCLEAR REACTIONS ⁵⁰Cr(⁵⁸Ni, 2np), E=222, 255 MeV; measured delayed Ep. ¹⁰⁵Sb deduced upper limit for proton decay branching ratio. REPT GSI 2005-1, P85, Liu
- 2005LIZY RADIOACTIVITY ¹⁰⁵Sb(p) [from ⁵⁰Cr(⁵⁸Ni, 2np)]; measured Ep; deduced upper limit for proton decay branching ratio. REPT GSI 2005-1, P85, Liu

A=106

- ¹⁰⁶Pd 2004BRZV RADIOACTIVITY ¹⁰⁶Cd(2EC); measured T_{1/2} lower limit. REPT JINR-P6-2004-219, Brudanin
- 2005BRZX RADIOACTIVITY ¹⁰⁶Cd(2EC); measured T_{1/2} limit. Modane underground laboratory. CONF St Petersburg, P299, Brudanin
- ¹⁰⁶Ag 2005HEZW NUCLEAR REACTIONS Pd(α , X)¹⁰³Ag / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag / ¹¹²Ag / ¹⁰⁴Cd / ¹⁰⁵Cd / ^{111m}Cd, E \approx 20-37 MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P961
- ¹⁰⁶Cd 2004BRZV RADIOACTIVITY ¹⁰⁶Cd(2EC); measured T_{1/2} lower limit. REPT JINR-P6-2004-219, Brudanin
- 2005BRZX RADIOACTIVITY ¹⁰⁶Cd(2EC); measured T_{1/2} limit. Modane underground laboratory. CONF St Petersburg, P299, Brudanin
- 2005GY03 NUCLEAR REACTIONS ¹⁰⁶Cd(α , γ), E=8-12.5 MeV; measured E γ , I γ , σ . ¹⁰⁶Cd(α , α), E \approx 15, 17, 19 MeV; measured $\sigma(\theta)$. Astrophysical implications discussed, comparison with model predictions. JOUR NUPAB 758 517c
- 2005SI23 NUCLEAR REACTIONS ⁶²Ni(⁴⁸Ca, 4n), E=183, 207 MeV; ⁹⁶Zr(¹⁶O, 4n), E=72 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ^{106,108}Cd deduced high-spin levels, J, π , T_{1/2}, B(E2), configurations. Gammasphere array. JOUR PRVCA 72 024318
- ¹⁰⁶Sn 2005MIZW RADIOACTIVITY ^{106,107}Sb(EC), (β^+) [from ⁵⁸Ni(⁵⁸Ni, X)]; measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin. ^{106,107}Sn deduced levels, configurations. Total absorption spectrometer. REPT GSI 2005-1, P84, Miernik
- ¹⁰⁶Sb 2005MIZW RADIOACTIVITY ^{106,107}Sb(EC), (β^+) [from ⁵⁸Ni(⁵⁸Ni, X)]; measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin. ^{106,107}Sn deduced levels, configurations. Total absorption spectrometer. REPT GSI 2005-1, P84, Miernik

A=107

- ¹⁰⁷Mo 2005UR02 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin, angular correlations. ¹⁰⁷Mo deduced high-spin levels, J, π , configurations. Eurogam2 array. JOUR PRVCA 72 027302

A=107 (continued)

^{107}In	2005IDZY	NUCLEAR REACTIONS $^{58}\text{Ni}(^{52}\text{Cr}, 3\text{p})$, $E=187$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{107}In deduced rotational band, configurations. Jurosphere array, recoil separator, total Routhian surface calculations. REPT CNS-REP-66,P19,Ideguchi
^{107}Sn	2005MIZW	RADIOACTIVITY $^{106,107}\text{Sb}(\text{EC})$, (β^+) [from $^{58}\text{Ni}(^{58}\text{Ni}, \text{X})$]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -, $\gamma\gamma$ -coin. $^{106,107}\text{Sn}$ deduced levels, configurations. Total absorption spectrometer. REPT GSI 2005-1,P84,Miernik
^{107}Sb	2005MIZW	RADIOACTIVITY $^{106,107}\text{Sb}(\text{EC})$, (β^+) [from $^{58}\text{Ni}(^{58}\text{Ni}, \text{X})$]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -, $\gamma\gamma$ -coin. $^{106,107}\text{Sn}$ deduced levels, configurations. Total absorption spectrometer. REPT GSI 2005-1,P84,Miernik

A=108

^{108}Cd	2005SI23	NUCLEAR REACTIONS $^{62}\text{Ni}(^{48}\text{Ca}, 4\text{n})$, $E=183, 207$ MeV; $^{96}\text{Zr}(^{16}\text{O}, 4\text{n})$, $E=72$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. $^{106,108}\text{Cd}$ deduced high-spin levels, J , π , $T_{1/2}$, $B(E2)$, configurations. Gammasphere array. JOUR PRVCA 72 024318
-------------------	----------	--

A=109

No references found

A=110

^{110}Ag	2005HEZW	NUCLEAR REACTIONS $\text{Pd}(\alpha, \text{X})^{103}\text{Ag} / ^{105}\text{Ag} / ^{106\text{m}}\text{Ag} / ^{110\text{m}}\text{Ag} / ^{111}\text{Ag} / ^{112}\text{Ag} / ^{104}\text{Cd} / ^{105}\text{Cd} / ^{111\text{m}}\text{Cd}$, $E \approx 20\text{-}37$ MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P961
^{110}Sn	2005GY03	NUCLEAR REACTIONS $^{106}\text{Cd}(\alpha, \gamma)$, $E=8\text{-}12.5$ MeV; measured $E\gamma$, $I\gamma$, σ . $^{106}\text{Cd}(\alpha, \alpha)$, $E \approx 15, 17, 19$ MeV; measured $\sigma(\theta)$. Astrophysical implications discussed, comparison with model predictions. JOUR NUPAB 758 517c
	2005GYZY	NUCLEAR REACTIONS $^{106}\text{Cd}(\alpha, \gamma)$, $E(\text{cm}) \approx 8\text{-}12$ MeV; measured capture σ . Activation technique, comparison with model predictions. REPT ATOMKI 2004 Annual,P19,Gyurky

A=111

^{111}Ag	2005HEZW	NUCLEAR REACTIONS $\text{Pd}(\alpha, \text{X})^{103}\text{Ag} / ^{105}\text{Ag} / ^{106\text{m}}\text{Ag} / ^{110\text{m}}\text{Ag} / ^{111}\text{Ag} / ^{112}\text{Ag} / ^{104}\text{Cd} / ^{105}\text{Cd} / ^{111\text{m}}\text{Cd}$, $E \approx 20\text{-}37$ MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P961
-------------------	----------	---

A=111 (continued)

- ¹¹¹Cd 2005HEZW NUCLEAR REACTIONS Pd(α , X)¹⁰³Ag / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag / ¹¹²Ag / ¹⁰⁴Cd / ¹⁰⁵Cd / ^{111m}Cd, E \approx 20-37 MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P961
- ¹¹¹In 2005BAZR NUCLEAR REACTIONS ¹⁰⁷Ag(α , γ), E=7.8-11.9 MeV; ⁴⁸Ti(α , n), E \approx 6.5-11.5 MeV; measured σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1370
- 2005TAZS NUCLEAR REACTIONS Sn, Cd(p, X)¹¹¹In / ^{114m}In, E=10-80 MeV; measured excitation functions; deduced integral yields. Comparison with model predictions and previous work. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1662
- ¹¹¹Sb 2005SH24 RADIOACTIVITY ¹¹¹Te(β^+), (EC) [from ⁵⁸Ni(⁵⁶Fe, n2p)]; measured E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}. ¹¹¹Sb deduced levels, J, π . Mass separator, comparisons with shell-model predictions and level systematics in neighboring isotopes. JOUR PRVCA 71 064323}
- ¹¹¹Te 2005SH24 RADIOACTIVITY ¹¹¹Te(β^+), (EC) [from ⁵⁸Ni(⁵⁶Fe, n2p)]; measured E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}. ¹¹¹Sb deduced levels, J, π . Mass separator, comparisons with shell-model predictions and level systematics in neighboring isotopes. JOUR PRVCA 71 064323}

A=112

- ¹¹²Ag 2005HEZW NUCLEAR REACTIONS Pd(α , X)¹⁰³Ag / ¹⁰⁵Ag / ^{106m}Ag / ^{110m}Ag / ¹¹¹Ag / ¹¹²Ag / ¹⁰⁴Cd / ¹⁰⁵Cd / ^{111m}Cd, E \approx 20-37 MeV; measured production σ . Activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P961
- ¹¹²Sn 2005GA21 NUCLEAR REACTIONS ¹¹²Sn(α , α), E=14.4, 19.5 MeV; ¹²⁴Sn(α , α), E=19.5 MeV; measured elastic $\sigma(\theta)$; deduced optical potential parameters. ¹¹²Sn(α , γ), E(cm)=7-11 MeV; calculated astrophysical S-factors, reaction rates. JOUR PRVCA 71 065802

A=113

- ¹¹³Pd 2005F009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{113,115,117}Pd deduced levels, J, π . Gammasphere array. JOUR PRVCA 72 014315
- ¹¹³Cd 2005GOZX RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. CdZnTe detectors. PREPRINT nucl-ex/0508016,08/12/2005}
- ¹¹³In 2005GOZX RADIOACTIVITY ¹¹³Cd(β^-); measured E β , T_{1/2}. CdZnTe detectors. PREPRINT nucl-ex/0508016,08/12/2005}

A=114

- ¹¹⁴In 2005TAZS NUCLEAR REACTIONS Sn, Cd(p, X)¹¹¹In / ^{114m}In, E=10-80 MeV; measured excitation functions; deduced integral yields. Comparison with model predictions and previous work. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1662
- ¹¹⁴Te 2005M020 NUCLEAR REACTIONS ⁹³Nb(²⁴Mg, 2np), E=90 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ¹¹⁴Te deduced levels, J, π , T_{1/2}, B(E2). Recoil-distance technique. Comparison with model predictions and level systematics in neighboring nuclides. JOUR PRVCA 71 064324

A=115

- ¹¹⁵Pd 2005F009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{113,115,117}Pd deduced levels, J, π . Gammasphere array. JOUR PRVCA 72 014315
- ¹¹⁵Cd 2005U0ZZ NUCLEAR REACTIONS U(p, F)⁹⁵Zr / ¹¹⁵Cd / ¹³⁴Cs / ¹³⁶Cs / ¹³⁷Cs / ¹⁴⁷Nd, E \approx 20-70 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1547
- 2005VIZZ RADIOACTIVITY ¹¹⁵Cd(β^-); ^{117m}Sn, ^{125m}Te(IT); measured I γ , (X-ray) γ -coin. ¹¹⁵In, ¹¹⁷Sn, ¹²⁵Te transitions deduced ICC. CONF St Petersburg, P65, Vishnevsky
- ¹¹⁵In 2005CAZW RADIOACTIVITY ¹¹⁵In(β^-); measured β -delayed E γ , I γ ; deduced branching ratio, partial T_{1/2}, and Q-value for decay to first excited state. ¹¹⁵Sn deduced level energy. Implications for neutrino mass limits discussed. PREPRINT nucl-ex/0509020, 9/15/2005
- 2005MU21 NUCLEAR REACTIONS ¹¹⁵In(n, n'), ²⁷Al(n, α), ⁹³Nb(n, 2n), (n, 4n), ²⁰⁹Bi(n, 4n), (n, 5n), (n, 6n), (n, 7n), E \approx 10-1000 MeV; measured reaction rates. Comparison with model predictions. JOUR NIMAE 547 555
- 2005VIZZ RADIOACTIVITY ¹¹⁵Cd(β^-); ^{117m}Sn, ^{125m}Te(IT); measured I γ , (X-ray) γ -coin. ¹¹⁵In, ¹¹⁷Sn, ¹²⁵Te transitions deduced ICC. CONF St Petersburg, P65, Vishnevsky
- ¹¹⁵Sn 2005CAZW RADIOACTIVITY ¹¹⁵In(β^-); measured β -delayed E γ , I γ ; deduced branching ratio, partial T_{1/2}, and Q-value for decay to first excited state. ¹¹⁵Sn deduced level energy. Implications for neutrino mass limits discussed. PREPRINT nucl-ex/0509020, 9/15/2005

A=116

- ¹¹⁶Te 2005GA21 NUCLEAR REACTIONS ¹¹²Sn(α , α), E=14.4, 19.5 MeV; ¹²⁴Sn(α , α), E=19.5 MeV; measured elastic $\sigma(\theta)$; deduced optical potential parameters. ¹¹²Sn(α , γ), E(cm)=7-11 MeV; calculated astrophysical S-factors, reaction rates. JOUR PRVCA 71 065802

A=117

- ¹¹⁷Pd 2005F009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{113,115,117}Pd deduced levels, J, π . Gammasphere array. JOUR PRVCA 72 014315
- ¹¹⁷Sn 2005VIZZ RADIOACTIVITY ¹¹⁵Cd(β^-); ^{117m}Sn, ^{125m}Te(IT); measured I γ , (X-ray) γ -coin. ¹¹⁵In, ¹¹⁷Sn, ¹²⁵Te transitions deduced ICC. CONF St Petersburg,P65,Vishnevsky

A=118

No references found

A=119

- ¹¹⁹Rh 2005M030 RADIOACTIVITY ¹¹⁹Rh(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. JOUR NUPAB 758 643c
- ¹¹⁹Pd 2005M030 RADIOACTIVITY ¹¹⁹Rh(β^-) [from Be(¹³⁶Xe, X)]; measured T_{1/2}. JOUR NUPAB 758 643c

A=120

- ¹²⁰Sb 2005BIZZ NUCLEAR REACTIONS ⁸¹Br, ¹²¹Sb(γ , n), E=9-18 MeV; measured isomer production σ . Microtron. CONF St Petersburg,P214,Bigan
- ¹²⁰I 2003M0ZS NUCLEAR REACTIONS ¹¹⁸Sn(⁶Li, 4n), E=48 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹²⁰I deduced high-spin levels, J, π , configurations, B(M1) / B(E2). REPT ANU-P/1564 2002 Annual,P11,Moon
- ¹²⁰Ce 2005R019 RADIOACTIVITY ¹²¹Pr(p) [from ⁹²Mo(³⁶Ar, 6np)]; measured Ep, T_{1/2}. ¹²¹Pr deduced ground-state J, deformation. Comparison with previous results. JOUR PRLTA 95 032502

A=121

- ¹²¹Pr 2005R019 RADIOACTIVITY ¹²¹Pr(p) [from ⁹²Mo(³⁶Ar, 6np)]; measured Ep, T_{1/2}. ¹²¹Pr deduced ground-state J, deformation. Comparison with previous results. JOUR PRLTA 95 032502

A=122

- ¹²²Te 2005HA49 NUCLEAR REACTIONS ⁹²Mo(α , γ), E=9 MeV; ⁹¹Zr(α , γ), E=10.5 MeV; ¹¹⁸Sn(α , γ), E=11.5 MeV; measured E γ , I γ . ⁹¹Zr, ¹¹⁸Sn(α , γ), E(cm) \approx 9-11 MeV; measured σ . Comparison with model predictions. JOUR NUPAB 758 505c
- ¹²²I 2003M0ZR NUCLEAR REACTIONS ¹²⁰Sn(⁷Li, 5n), E=58 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹²²I deduced high-spin levels, J, π . Level systematics in neighboring isotopes discussed. REPT ANU-P/1564 2002 Annual,P13,Moon

A=122 (continued)

- 2004MOZT NUCLEAR REACTIONS $^{120}\text{Sn}(^7\text{Li}, 5n)$, $E=58$ MeV; measured not given. ^{122}I deduced levels, J, π . PC C B Moon,2/24/2004
- ^{122}Ce 2005SM07 NUCLEAR REACTIONS $^{64}\text{Zn}(^{64}\text{Zn}, 2n\alpha)$, $E=260$ MeV; measured $E\gamma, I\gamma, \gamma\gamma-, n\gamma-, (\text{charged particle})\gamma-, (\text{recoil})\gamma\text{-coin}$. ^{122}Ce deduced levels, J, π , rotational band, angular distribution ratios, transition multipolarities, quadrupole deformation parameter. Microball and Gammasphere arrays, comparison with Woods-Saxon cranking predictions. JOUR PYLBB 625 203

A=123

- ^{123}I 2005ADZZ NUCLEAR REACTIONS $^{129}\text{I}(n, 7n), (n, 6n), (n, 4n), (n, \gamma)$, $E=\text{fast}$; $^{237}\text{Np}(n, \gamma)$, $E=\text{fast}$; measured yields. $^{237}\text{Np}(n, F)^{91}\text{Sr} / ^{97}\text{Zr} / ^{132}\text{Te} / ^{133}\text{I} / ^{135}\text{I}$, $E=\text{fast}$; $^{238}\text{Pu}(n, F)^{97}\text{Zr} / ^{129}\text{Sb} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{Xe} / ^{105}\text{Ru}$, $E=\text{fast}$; $^{239}\text{Pu}(n, F)^{88}\text{Kr} / ^{91}\text{Sr} / ^{92}\text{Sr} / ^{92}\text{Y} / ^{97}\text{Zr} / ^{99}\text{Mo} / ^{103}\text{Ru} / ^{105}\text{Ru} / ^{128}\text{Sb} / ^{129}\text{Sb} / ^{132}\text{Te} / ^{131}\text{I} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{I} / ^{135}\text{Xe} / ^{143}\text{Ce} / ^{140}\text{Ba} / ^{140}\text{La}$, $E=\text{fast}$; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam

A=124

- ^{124}Sn 2005GA21 NUCLEAR REACTIONS $^{112}\text{Sn}(\alpha, \alpha)$, $E=14.4, 19.5$ MeV; $^{124}\text{Sn}(\alpha, \alpha)$, $E=19.5$ MeV; measured elastic $\sigma(\theta)$; deduced optical potential parameters. $^{112}\text{Sn}(\alpha, \gamma)$, $E(\text{cm})=7-11$ MeV; calculated astrophysical S-factors, reaction rates. JOUR PRVCA 71 065802
- ^{124}I 2003MOZQ NUCLEAR REACTIONS $^{122}\text{Sn}(^7\text{Li}, 5n)$, E not given; measured $E\gamma, I\gamma, \gamma\gamma\text{-coin}$. ^{124}I deduced high-spin levels, J, π , configurations. REPT ANU-P/1564 2002 Annual,P15,Moon
- 2005ADZZ NUCLEAR REACTIONS $^{129}\text{I}(n, 7n), (n, 6n), (n, 4n), (n, \gamma)$, $E=\text{fast}$; $^{237}\text{Np}(n, \gamma)$, $E=\text{fast}$; measured yields. $^{237}\text{Np}(n, F)^{91}\text{Sr} / ^{97}\text{Zr} / ^{132}\text{Te} / ^{133}\text{I} / ^{135}\text{I}$, $E=\text{fast}$; $^{238}\text{Pu}(n, F)^{97}\text{Zr} / ^{129}\text{Sb} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{Xe} / ^{105}\text{Ru}$, $E=\text{fast}$; $^{239}\text{Pu}(n, F)^{88}\text{Kr} / ^{91}\text{Sr} / ^{92}\text{Sr} / ^{92}\text{Y} / ^{97}\text{Zr} / ^{99}\text{Mo} / ^{103}\text{Ru} / ^{105}\text{Ru} / ^{128}\text{Sb} / ^{129}\text{Sb} / ^{132}\text{Te} / ^{131}\text{I} / ^{132}\text{I} / ^{133}\text{I} / ^{135}\text{I} / ^{135}\text{Xe} / ^{143}\text{Ce} / ^{140}\text{Ba} / ^{140}\text{La}$, $E=\text{fast}$; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam

A=125

- ^{125}Sn 2005TH09 NUCLEAR REACTIONS $^2\text{H}(^{84}\text{Se}, p), (^{124}\text{Sn}, p)$, $E=4.5$ MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. ^{85}Se , ^{125}Sn deduced levels, J, π . JOUR NUPAB 758 663c
- ^{125}Te 2005VIZZ RADIOACTIVITY $^{115}\text{Cd}(\beta^-); ^{117m}\text{Sn}, ^{125m}\text{Te}(\text{IT})$; measured $I\gamma, (\text{X-ray})\gamma\text{-coin}$. $^{115}\text{In}, ^{117}\text{Sn}, ^{125}\text{Te}$ transitions deduced ICC. CONF St Petersburg,P65,Vishnevsky

A=126

- ¹²⁶I 2003MOZP NUCLEAR REACTIONS ¹²⁴Sn(⁷Li, 5n), E not given; measured E γ , I γ , $\gamma\gamma$ -coin. ¹²⁶I deduced high-spin levels, J, π , configurations. REPT ANU-P/1564 2002 Annual,P17,Moon
- 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam

A=127

- ¹²⁷Ce 2003WIZU NUCLEAR REACTIONS ¹⁰⁶Cd(²⁴Mg, n2p), E not given; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ¹²⁷Ce deduced high-spin levels, J, π . REPT ANU-P/1564 2002 Annual,P18,Wilson

A=128

- ¹²⁸Sb 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam

A=129

- ¹²⁹Sb 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ¹²⁹I 2005SCZW NUCLEAR REACTIONS Pb(p, X)¹⁰Be / ²⁶Al / ¹²⁹I / ³⁶Cl, E=200-2600 MeV; measured excitation functions. Stacked foil activation, chemical separation. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1517
- ¹²⁹Xe 2005SH38 ATOMIC MASSES ^{32,33}S, ^{84,86}Kr, ^{129,132}Xe; measured masses. Penning trap. JOUR PLRAA 72 022510

A=130

- ¹³⁰Sn 2005AD29 NUCLEAR REACTIONS Be(²³⁸U, X), E not given; measured fragment yields. ¹²C, ²⁰⁸Pb(¹³⁰Sn, nX), (¹³²Sn, nX), E ≈ 500 MeV / nucleon; measured En, E_γ, n_γ-coin; deduced Coulomb dissociation σ(E). ^{130,132}Sn deduced dipole strength distributions, pygmy and giant dipole resonance parameters. JOUR PRLTA 95 132501
- 2005ADZX NUCLEAR REACTIONS Pb(¹³⁰Sn, ¹³⁰Sn'), (¹³²Sn, ¹³²Sn'), E* ≈ 5-30 MeV; measured Σ(E) following projectile Coulomb excitation. ^{130,132}Sn(γ, nX), E* ≈ 5-30 MeV; deduced photo-neutron σ. ^{130,132}Sn deduced pygmy and GDR energies. REPT GSI 2005-1,P94,Adrich
- ¹³⁰Sb 2005BEZW NUCLEAR REACTIONS ²³⁸U(γ, F)⁸⁴Br / ¹³⁰Sb / ¹³²Sb / ¹³¹Te / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; ²³⁷Np(γ, F)¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; measured E_γ, I_γ; deduced isomer yield ratios, fission fragments mean angular momenta. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Voll,P641
- ¹³⁰I 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- 2005BEZV NUCLEAR REACTIONS ⁹⁹Tc, ¹²⁹I(n, γ), E=cold; measured E_γ, I_γ; deduced thermal capture σ. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Voll,P744
- 2005BEZV RADIOACTIVITY ^{130,130m}I(β⁻) [from ¹²⁹I(n, γ)]; measured E_γ, I_γ, T_{1/2}. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Voll,P744
- 2005UN01 NUCLEAR REACTIONS ¹²⁸Te(¹⁴N, 4n), (¹⁴N, 5n), (¹⁴N, 4np), (¹⁴N, 5nα), (¹⁴N, 6nα), (¹⁴N, n2pα), (¹⁴N, n2p2α), (¹⁴N, 3α), E ≈ 64-90; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775
- ¹³⁰Xe 2005BEZV RADIOACTIVITY ^{130,130m}I(β⁻) [from ¹²⁹I(n, γ)]; measured E_γ, I_γ, T_{1/2}. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Voll,P744

A=131

- ¹³¹Te 2005BEZW NUCLEAR REACTIONS ²³⁸U(γ, F)⁸⁴Br / ¹³⁰Sb / ¹³²Sb / ¹³¹Te / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; ²³⁷Np(γ, F)¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; measured E_γ, I_γ; deduced isomer yield ratios, fission fragments mean angular momenta. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Voll,P641

A=131 (continued)

- ¹³¹I 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- 2005UN01 NUCLEAR REACTIONS ¹²⁸Te(¹⁴N, 4n), (¹⁴N, 5n), (¹⁴N, 4np), (¹⁴N, 5n α), (¹⁴N, 6n α), (¹⁴N, n2p α), (¹⁴N, n2p2 α), (¹⁴N, 3 α), E \approx 64-90; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775

A=132

- ¹³²Sn 2005AD29 NUCLEAR REACTIONS Be(²³⁸U, X), E not given; measured fragment yields. ¹²C, ²⁰⁸Pb(¹³⁰Sn, nX), (¹³²Sn, nX), E \approx 500 MeV / nucleon; measured En, E γ , n γ -coin; deduced Coulomb dissociation σ (E). ^{130,132}Sn deduced dipole strength distributions, pygmy and giant dipole resonance parameters. JOUR PRLTA 95 132501
- 2005ADZX NUCLEAR REACTIONS Pb(¹³⁰Sn, ¹³⁰Sn'), (¹³²Sn, ¹³²Sn'), E* \approx 5-30 MeV; measured Σ (E) following projectile Coulomb excitation. ^{130,132}Sn(γ , nX), E* \approx 5-30 MeV; deduced photo-neutron σ . ^{130,132}Sn deduced pygmy and GDR energies. REPT GSI 2005-1,P94,Adrich
- ¹³²Sb 2005BEZW NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹³⁰Sb / ¹³²Sb / ¹³¹Te / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; measured E γ , I γ ; deduced isomer yield ratios, fission fragments mean angular momenta. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Voll,P641
- ¹³²Te 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ¹³²I 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ¹³²Xe 2005SH38 ATOMIC MASSES ^{32,33}S, ^{84,86}Kr, ^{129,132}Xe; measured masses. Penning trap. JOUR PLRAA 72 022510

A=132 (continued)

¹³²La 2005UN01 NUCLEAR REACTIONS ¹²⁸Te(¹⁴N, 4n), (¹⁴N, 5n), (¹⁴N, 4np), (¹⁴N, 5n α), (¹⁴N, 6n α), (¹⁴N, n2p α), (¹⁴N, n2p2 α), (¹⁴N, 3 α), E \approx 64-90; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775

A=133

¹³³Te 2005BEZW NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹³⁰Sb / ¹³²Sb / ¹³¹Te / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; measured E γ , I γ ; deduced isomer yield ratios, fission fragments mean angular momenta. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P641

¹³³I 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam

¹³³La 2005UN01 NUCLEAR REACTIONS ¹²⁸Te(¹⁴N, 4n), (¹⁴N, 5n), (¹⁴N, 4np), (¹⁴N, 5n α), (¹⁴N, 6n α), (¹⁴N, n2p α), (¹⁴N, n2p2 α), (¹⁴N, 3 α), E \approx 64-90; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775

A=134

¹³⁴Sn 2005SH23 RADIOACTIVITY ¹³⁴Sn(β^-); ¹³⁵Sn(β^-), (β^- n); measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin. ¹³⁴Sb deduced levels, J, π , β -decaying isomeric state. Mass separator, shell model calculations. JOUR PRVCA 71 064321

¹³⁴Sb 2005SH23 RADIOACTIVITY ¹³⁴Sn(β^-); ¹³⁵Sn(β^-), (β^- n); measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin. ¹³⁴Sb deduced levels, J, π , β -decaying isomeric state. Mass separator, shell model calculations. JOUR PRVCA 71 064321

¹³⁴I 2005BEZW NUCLEAR REACTIONS ²³⁸U(γ , F)⁸⁴Br / ¹³⁰Sb / ¹³²Sb / ¹³¹Te / ¹³³Te / ¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; ²³⁷Np(γ , F)¹³⁴I / ¹³⁵Xe, E=16 MeV bremsstrahlung; measured E γ , I γ ; deduced isomer yield ratios, fission fragments mean angular momenta. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P641

¹³⁴Cs 2005U0ZZ NUCLEAR REACTIONS U(p, F)⁹⁵Zr / ¹¹⁵Cd / ¹³⁴Cs / ¹³⁶Cs / ¹³⁷Cs / ¹⁴⁷Nd, E \approx 20-70 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1547

A=135

¹³⁵ Sn	2005SH23	RADIOACTIVITY ¹³⁴ Sn(β^-); ¹³⁵ Sn(β^-), (β^- -n); measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin. ¹³⁴ Sb deduced levels, J, π , β -decaying isomeric state. Mass separator, shell model calculations. JOUR PRVCA 71 064321
	2005SH36	RADIOACTIVITY ¹³⁵ Sn(β^-) [from U(n, F)]; measured E γ , I γ , $\gamma\gamma$ -coin. ¹³⁵ Sb deduced levels, J, π . Resonance ionization, mass separator. Comparisons with shell-model predictions. JOUR PRVCA 72 024305
¹³⁵ Sb	2005SH23	RADIOACTIVITY ¹³⁴ Sn(β^-); ¹³⁵ Sn(β^-), (β^- -n); measured E γ , I γ , $\beta\gamma^-$, $\gamma\gamma$ -coin. ¹³⁴ Sb deduced levels, J, π , β -decaying isomeric state. Mass separator, shell model calculations. JOUR PRVCA 71 064321
	2005SH36	RADIOACTIVITY ¹³⁵ Sn(β^-) [from U(n, F)]; measured E γ , I γ , $\gamma\gamma$ -coin. ¹³⁵ Sb deduced levels, J, π . Resonance ionization, mass separator. Comparisons with shell-model predictions. JOUR PRVCA 72 024305
¹³⁵ I	2005ADZZ	NUCLEAR REACTIONS ¹²⁹ I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷ Np(n, γ), E=fast; measured yields. ²³⁷ Np(n, F) ⁹¹ Sr / ⁹⁷ Zr / ¹³² Te / ¹³³ I / ¹³⁵ I, E=fast; ²³⁸ Pu(n, F) ⁹⁷ Zr / ¹²⁹ Sb / ¹³² I / ¹³³ I / ¹³⁵ Xe / ¹⁰⁵ Ru, E=fast; ²³⁹ Pu(n, F) ⁸⁸ Kr / ⁹¹ Sr / ⁹² Sr / ⁹² Y / ⁹⁷ Zr / ⁹⁹ Mo / ¹⁰³ Ru / ¹⁰⁵ Ru / ¹²⁸ Sb / ¹²⁹ Sb / ¹³² Te / ¹³¹ I / ¹³² I / ¹³³ I / ¹³⁵ I / ¹³⁵ Xe / ¹⁴³ Ce / ¹⁴⁰ Ba / ¹⁴⁰ La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
	2005GAZW	NUCLEAR REACTIONS ²³² Th, ²³⁸ U, ²⁴³ Am, ²⁴⁸ Cm(γ , F) ^{135m} Xe / ¹³⁵ Xe / ¹³⁵ I, E=25 MeV bremsstrahlung; measured yield ratios. Microtron, gas flow transport. CONF St Petersburg,P66,Gangrsky
¹³⁵ Xe	2005ADZZ	NUCLEAR REACTIONS ¹²⁹ I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷ Np(n, γ), E=fast; measured yields. ²³⁷ Np(n, F) ⁹¹ Sr / ⁹⁷ Zr / ¹³² Te / ¹³³ I / ¹³⁵ I, E=fast; ²³⁸ Pu(n, F) ⁹⁷ Zr / ¹²⁹ Sb / ¹³² I / ¹³³ I / ¹³⁵ Xe / ¹⁰⁵ Ru, E=fast; ²³⁹ Pu(n, F) ⁸⁸ Kr / ⁹¹ Sr / ⁹² Sr / ⁹² Y / ⁹⁷ Zr / ⁹⁹ Mo / ¹⁰³ Ru / ¹⁰⁵ Ru / ¹²⁸ Sb / ¹²⁹ Sb / ¹³² Te / ¹³¹ I / ¹³² I / ¹³³ I / ¹³⁵ I / ¹³⁵ Xe / ¹⁴³ Ce / ¹⁴⁰ Ba / ¹⁴⁰ La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
	2005BEZW	NUCLEAR REACTIONS ²³⁸ U(γ , F) ⁸⁴ Br / ¹³⁰ Sb / ¹³² Sb / ¹³¹ Te / ¹³³ Te / ¹³⁴ I / ¹³⁵ Xe, E=16 MeV bremsstrahlung; ²³⁷ Np(γ , F) ¹³⁴ I / ¹³⁵ Xe, E=16 MeV bremsstrahlung; measured E γ , I γ ; deduced isomer yield ratios, fission fragments mean angular momenta. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P641
	2005GA25	NUCLEAR REACTIONS ²⁴⁸ Cm(γ , F) ⁸⁹ Kr / ⁹¹ Kr / ⁹² Kr / ⁹³ Kr / ¹³⁵ Xe / ¹³⁷ Xe / ¹³⁸ Xe / ¹³⁹ Xe / ¹⁴⁰ Xe / ¹⁴¹ Xe / ¹⁴² Xe, E=25 MeV bremsstrahlung; measured E γ , I γ ; deduced yields. JOUR FECLA 125 44
	2005GAZW	NUCLEAR REACTIONS ²³² Th, ²³⁸ U, ²⁴³ Am, ²⁴⁸ Cm(γ , F) ^{135m} Xe / ¹³⁵ Xe / ¹³⁵ I, E=25 MeV bremsstrahlung; measured yield ratios. Microtron, gas flow transport. CONF St Petersburg,P66,Gangrsky

A=135 (continued)

- ^{135}Cs 2005UN01 NUCLEAR REACTIONS $^{128}\text{Te}(^{14}\text{N}, 4n)$, $(^{14}\text{N}, 5n)$, $(^{14}\text{N}, 4np)$, $(^{14}\text{N}, 5n\alpha)$, $(^{14}\text{N}, 6n\alpha)$, $(^{14}\text{N}, n2p\alpha)$, $(^{14}\text{N}, n2p2\alpha)$, $(^{14}\text{N}, 3\alpha)$, $E \approx 64\text{-}90$; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775
- ^{135}Ce 2005VEZZ NUCLEAR REACTIONS $\text{Pr}(p, X)^{139}\text{Nd} / ^{138}\text{Nd} / ^{139}\text{Ce} / ^{135}\text{Ce} / ^{137}\text{Pr} / ^{138m}\text{Pr}$, $E=20\text{-}100$ MeV; $\text{La}(p, X)^{139}\text{Ce}$, $E=0\text{-}20$ MeV; measured excitation functions. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1650

A=136

- ^{136}Cs 2005U0ZZ NUCLEAR REACTIONS $\text{U}(p, F)^{95}\text{Zr} / ^{115}\text{Cd} / ^{134}\text{Cs} / ^{136}\text{Cs} / ^{137}\text{Cs} / ^{147}\text{Nd}$, $E \approx 20\text{-}70$ MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1547

A=137

- ^{137}Xe 2005GA25 NUCLEAR REACTIONS $^{248}\text{Cm}(\gamma, F)^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr} / ^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe}$, $E=25$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced yields. JOUR FECLA 125 44
- ^{137}Cs 2005U0ZZ NUCLEAR REACTIONS $\text{U}(p, F)^{95}\text{Zr} / ^{115}\text{Cd} / ^{134}\text{Cs} / ^{136}\text{Cs} / ^{137}\text{Cs} / ^{147}\text{Nd}$, $E \approx 20\text{-}70$ MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1547
- ^{137}Ce 2005UN01 NUCLEAR REACTIONS $^{128}\text{Te}(^{14}\text{N}, 4n)$, $(^{14}\text{N}, 5n)$, $(^{14}\text{N}, 4np)$, $(^{14}\text{N}, 5n\alpha)$, $(^{14}\text{N}, 6n\alpha)$, $(^{14}\text{N}, n2p\alpha)$, $(^{14}\text{N}, n2p2\alpha)$, $(^{14}\text{N}, 3\alpha)$, $E \approx 64\text{-}90$; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775
- ^{137}Pr 2005UN01 NUCLEAR REACTIONS $^{128}\text{Te}(^{14}\text{N}, 4n)$, $(^{14}\text{N}, 5n)$, $(^{14}\text{N}, 4np)$, $(^{14}\text{N}, 5n\alpha)$, $(^{14}\text{N}, 6n\alpha)$, $(^{14}\text{N}, n2p\alpha)$, $(^{14}\text{N}, n2p2\alpha)$, $(^{14}\text{N}, 3\alpha)$, $E \approx 64\text{-}90$; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775
- 2005VEZZ NUCLEAR REACTIONS $\text{Pr}(p, X)^{139}\text{Nd} / ^{138}\text{Nd} / ^{139}\text{Ce} / ^{135}\text{Ce} / ^{137}\text{Pr} / ^{138m}\text{Pr}$, $E=20\text{-}100$ MeV; $\text{La}(p, X)^{139}\text{Ce}$, $E=0\text{-}20$ MeV; measured excitation functions. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1650

A=138

- ^{138}Xe 2005GA25 NUCLEAR REACTIONS $^{248}\text{Cm}(\gamma, \text{F})^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr} / ^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe}$, E=25 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced yields. JOUR FECLA 125 44
- ^{138}Pr 2005UN01 NUCLEAR REACTIONS $^{128}\text{Te}(^{14}\text{N}, 4\text{n})$, $(^{14}\text{N}, 5\text{n})$, $(^{14}\text{N}, 4\text{np})$, $(^{14}\text{N}, 5\text{n}\alpha)$, $(^{14}\text{N}, 6\text{n}\alpha)$, $(^{14}\text{N}, \text{n}2\text{p}\alpha)$, $(^{14}\text{N}, \text{n}2\text{p}2\alpha)$, $(^{14}\text{N}, 3\alpha)$, E \approx 64-90; measured excitation functions; deduced reaction mechanism features. Activation technique, comparison with model predictions. JOUR IMPEE 14 775
- 2005VEZZ NUCLEAR REACTIONS $\text{Pr}(\text{p}, \text{X})^{139}\text{Nd} / ^{138}\text{Nd} / ^{139}\text{Ce} / ^{135}\text{Ce} / ^{137}\text{Pr} / ^{138\text{m}}\text{Pr}$, E=20-100 MeV; $\text{La}(\text{p}, \text{X})^{139}\text{Ce}$, E=0-20 MeV; measured excitation functions. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1650
- ^{138}Nd 2005VEZZ NUCLEAR REACTIONS $\text{Pr}(\text{p}, \text{X})^{139}\text{Nd} / ^{138}\text{Nd} / ^{139}\text{Ce} / ^{135}\text{Ce} / ^{137}\text{Pr} / ^{138\text{m}}\text{Pr}$, E=20-100 MeV; $\text{La}(\text{p}, \text{X})^{139}\text{Ce}$, E=0-20 MeV; measured excitation functions. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1650

A=139

- ^{139}Xe 2005GA25 NUCLEAR REACTIONS $^{248}\text{Cm}(\gamma, \text{F})^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr} / ^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe}$, E=25 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced yields. JOUR FECLA 125 44
- ^{139}La 2005SK04 NUCLEAR REACTIONS ^{131}Xe , $^{139}\text{La}(\text{n}, \text{n})$, E=low; measured neutron transmission spectra through polarized targets. Plans for measurement of time-reversal violating effects discussed. JOUR JRNBA 110 471
- ^{139}Ce 2005VEZZ NUCLEAR REACTIONS $\text{Pr}(\text{p}, \text{X})^{139}\text{Nd} / ^{138}\text{Nd} / ^{139}\text{Ce} / ^{135}\text{Ce} / ^{137}\text{Pr} / ^{138\text{m}}\text{Pr}$, E=20-100 MeV; $\text{La}(\text{p}, \text{X})^{139}\text{Ce}$, E=0-20 MeV; measured excitation functions. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1650
- ^{139}Pr 2005YU06 NUCLEAR REACTIONS $^{130}\text{Te}(^{14}\text{N}, 4\text{n})$, $(^{14}\text{N}, 5\text{n})$, E=55-65 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin; deduced γ -ray excitation functions. ^{140}Pr deduced high-spin levels, J, π , configurations. Level systematics in neighboring nuclides discussed. JOUR CPLEE 22 1873
- ^{139}Nd 2005VEZZ NUCLEAR REACTIONS $\text{Pr}(\text{p}, \text{X})^{139}\text{Nd} / ^{138}\text{Nd} / ^{139}\text{Ce} / ^{135}\text{Ce} / ^{137}\text{Pr} / ^{138\text{m}}\text{Pr}$, E=20-100 MeV; $\text{La}(\text{p}, \text{X})^{139}\text{Ce}$, E=0-20 MeV; measured excitation functions. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1650

A=140

- ^{140}Xe 2005GA25 NUCLEAR REACTIONS $^{248}\text{Cm}(\gamma, \text{F})^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr} / ^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe}$, E=25 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$; deduced yields. JOUR FECLA 125 44

A=140 (continued)

- ¹⁴⁰Ba 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ¹⁴⁰La 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ¹⁴⁰Pr 2005HIZX NUCLEAR REACTIONS ⁶⁶Zn(d, α), E=5-14 MeV; Ce(³He, xn)¹⁴⁰Nd, E=16-35 MeV; ¹⁴¹Ce(p, 2n), E=10-45 MeV; ¹⁹²Os(p, n), E=6-19 MeV; measured excitation functions; deduced thick-target yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1631
- 2005YU06 NUCLEAR REACTIONS ¹³⁰Te(¹⁴N, 4n), (¹⁴N, 5n), E=55-65 MeV; measured Eγ, Iγ, γγ-coin; deduced γ-ray excitation functions. ¹⁴⁰Pr deduced high-spin levels, J, π, configurations. Level systematics in neighboring nuclides discussed. JOUR CPLEE 22 1873
- ¹⁴⁰Nd 2005HIZX NUCLEAR REACTIONS ⁶⁶Zn(d, α), E=5-14 MeV; Ce(³He, xn)¹⁴⁰Nd, E=16-35 MeV; ¹⁴¹Ce(p, 2n), E=10-45 MeV; ¹⁹²Os(p, n), E=6-19 MeV; measured excitation functions; deduced thick-target yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1631

A=141

- ¹⁴¹Xe 2005GA25 NUCLEAR REACTIONS ²⁴⁸Cm(γ, F)⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr / ¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe, E=25 MeV bremsstrahlung; measured Eγ, Iγ; deduced yields. JOUR FECLA 125 44

A=142

- ¹⁴²Xe 2005GA25 NUCLEAR REACTIONS ²⁴⁸Cm(γ, F)⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr / ¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe, E=25 MeV bremsstrahlung; measured Eγ, Iγ; deduced yields. JOUR FECLA 125 44

A=143

- ¹⁴³Ce 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- ¹⁴³Gd 2005BA64 NUCLEAR MOMENTS ^{143m,145,145m}Gd; measured isotope shifts, hfs; deduced radii, μ . Laser spectroscopy. JOUR PRVCA 72 017301

A=144

No references found

A=145

- ¹⁴⁵Gd 2005BA64 NUCLEAR MOMENTS ^{143m,145,145m}Gd; measured isotope shifts, hfs; deduced radii, μ . Laser spectroscopy. JOUR PRVCA 72 017301

A=146

No references found

A=147

- ¹⁴⁷Nd 2005U0ZZ NUCLEAR REACTIONS U(p, F)⁹⁵Zr / ¹¹⁵Cd / ¹³⁴Cs / ¹³⁶Cs / ¹³⁷Cs / ¹⁴⁷Nd, E \approx 20-70 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1547

A=148

No references found

A=149

No references found

A=150

No references found

A=151

No references found

A=152

- ¹⁵²Sm 2005MA73 NUCLEAR REACTIONS ¹⁵¹Sm(n, γ), E \approx 0-1 MeV; measured capture σ . Astrophysical implication discussed. JOUR NUPAB 758 533c
- ¹⁵²Gd 2005WA23 NUCLEAR REACTIONS ¹⁴⁸Nd(⁹Be, 5n), E=42, 45, 48, 52, 55 MeV; measured E γ , I γ ; deduced excitation function. ¹⁴⁸Nd(⁹Be, 5n), E=54 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵²Gd deduced high-spin levels, J, π , configuration, quadrupole deformation. Total Routhian surface calculations. JOUR PRVCA 72 024317

A=153

No references found

A=154

- ¹⁵⁴Sm 2005DEZV NUCLEAR REACTIONS ¹⁵⁴Sm(n, n' γ)E=reactor; measured E γ , I γ (θ). ¹⁵⁴Sm deduced levels, δ , configurations. Reactor. CONF St Petersburg,P53,Demidov
- ¹⁵⁴Eu 2005KUZK RADIOACTIVITY ¹⁵⁴Eu(β^-); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵⁴Gd deduced transition intensities. Application as relative efficiency calibration source discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P830
- ¹⁵⁴Gd 2005BEZU NUCLEAR REACTIONS ¹⁵⁷Gd(³He, α), (³He, 2n α), (³He, n³He), E=45 MeV; measured E γ , I γ , (particle) γ -coin. ^{236,238}U(d, pF), (d, d'F), E=24, 32 MeV; measured E γ , I γ , (particle) γ -coin; deduced fission probability ratios. Surrogate reactions, Gammasphere and STARS arrays. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P890
- 2005KUZK RADIOACTIVITY ¹⁵⁴Eu(β^-); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵⁴Gd deduced transition intensities. Application as relative efficiency calibration source discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P830

A=155

No references found

A=156

- ¹⁵⁶Gd 2005BEZU NUCLEAR REACTIONS ¹⁵⁷Gd(³He, α), (³He, 2n α), (³He, n³He), E=45 MeV; measured E γ , I γ , (particle) γ -coin. ^{236,238}U(d, pF), (d, d'F), E=24, 32 MeV; measured E γ , I γ , (particle) γ -coin; deduced fission probability ratios. Surrogate reactions, Gammasphere and STARS arrays. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P890
- ¹⁵⁶Ho 2005KAZY RADIOACTIVITY ^{156,158,160}Er(EC); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{156,158,160}Ho levels deduced T_{1/2}. HPGe detectors, YaSNAPP-2 ISOL complex. CONF St Petersburg, P58, Kalinnikov
- ¹⁵⁶Er 2005KAZY RADIOACTIVITY ^{156,158,160}Er(EC); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{156,158,160}Ho levels deduced T_{1/2}. HPGe detectors, YaSNAPP-2 ISOL complex. CONF St Petersburg, P58, Kalinnikov

A=157

No references found

A=158

- ¹⁵⁸Ho 2005KAZY RADIOACTIVITY ^{156,158,160}Er(EC); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{156,158,160}Ho levels deduced T_{1/2}. HPGe detectors, YaSNAPP-2 ISOL complex. CONF St Petersburg, P58, Kalinnikov
- ¹⁵⁸Er 2005KAZY RADIOACTIVITY ^{156,158,160}Er(EC); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{156,158,160}Ho levels deduced T_{1/2}. HPGe detectors, YaSNAPP-2 ISOL complex. CONF St Petersburg, P58, Kalinnikov

A=159

- ¹⁵⁹Pm 2005IC02 RADIOACTIVITY ¹⁵⁹Pm, ¹⁶²Sm, ¹⁶⁶Gd, ¹⁶⁶Tb(β^-) [from ²³⁸U(p, F)]; measured E γ , I γ , $\beta\gamma$ -, $\gamma\gamma$ -coin, T_{1/2}. ¹⁶⁶Tb deduced levels, β -feeding intensities. JOUR PRVCA 71 067302
- ¹⁵⁹Sm 2005IC02 RADIOACTIVITY ¹⁵⁹Pm, ¹⁶²Sm, ¹⁶⁶Gd, ¹⁶⁶Tb(β^-) [from ²³⁸U(p, F)]; measured E γ , I γ , $\beta\gamma$ -, $\gamma\gamma$ -coin, T_{1/2}. ¹⁶⁶Tb deduced levels, β -feeding intensities. JOUR PRVCA 71 067302

A=160

- ¹⁶⁰Ho 2005KAZX RADIOACTIVITY ^{160m}Ho(IT); measured $\gamma\gamma$ -coin, T_{1/2}. YASNAPP setup. CONF St Petersburg, P72, Kalinnikov
- 2005KAZY RADIOACTIVITY ^{156,158,160}Er(EC); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{156,158,160}Ho levels deduced T_{1/2}. HPGe detectors, YaSNAPP-2 ISOL complex. CONF St Petersburg, P58, Kalinnikov
- ¹⁶⁰Er 2005KAZY RADIOACTIVITY ^{156,158,160}Er(EC); measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{156,158,160}Ho levels deduced T_{1/2}. HPGe detectors, YaSNAPP-2 ISOL complex. CONF St Petersburg, P58, Kalinnikov

A=160 (continued)

- 2005W006 RADIOACTIVITY ^{160}Yb , $^{160}\text{Tm}(\text{EC})$ [from $^{147}\text{Sm}(^{18}\text{O}, 5\text{n})$ and subsequent decay]; measured β -delayed $\text{E}\gamma$, $\text{I}\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. ^{160}Er level deduced g factor. Perturbed angular correlation technique, systematics in neighboring nuclides discussed. JOUR PRVCA 72 027301
- ^{160}Tm 2005W006 RADIOACTIVITY ^{160}Yb , $^{160}\text{Tm}(\text{EC})$ [from $^{147}\text{Sm}(^{18}\text{O}, 5\text{n})$ and subsequent decay]; measured β -delayed $\text{E}\gamma$, $\text{I}\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. ^{160}Er level deduced g factor. Perturbed angular correlation technique, systematics in neighboring nuclides discussed. JOUR PRVCA 72 027301
- ^{160}Yb 2005W006 RADIOACTIVITY ^{160}Yb , $^{160}\text{Tm}(\text{EC})$ [from $^{147}\text{Sm}(^{18}\text{O}, 5\text{n})$ and subsequent decay]; measured β -delayed $\text{E}\gamma$, $\text{I}\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. ^{160}Er level deduced g factor. Perturbed angular correlation technique, systematics in neighboring nuclides discussed. JOUR PRVCA 72 027301

A=161

No references found

A=162

- ^{162}Sm 2005IC02 RADIOACTIVITY ^{159}Pm , ^{162}Sm , ^{166}Gd , $^{166}\text{Tb}(\beta^-)$ [from $^{238}\text{U}(\text{p}, \text{F})$]; measured $\text{E}\gamma$, $\text{I}\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin, $\text{T}_{1/2}$. ^{166}Tb deduced levels, β -feeding intensities. JOUR PRVCA 71 067302
- ^{162}Eu 2005IC02 RADIOACTIVITY ^{159}Pm , ^{162}Sm , ^{166}Gd , $^{166}\text{Tb}(\beta^-)$ [from $^{238}\text{U}(\text{p}, \text{F})$]; measured $\text{E}\gamma$, $\text{I}\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin, $\text{T}_{1/2}$. ^{166}Tb deduced levels, β -feeding intensities. JOUR PRVCA 71 067302

A=163

No references found

A=164

No references found

A=165

- ^{165}Dy 2005KA33 NUCLEAR REACTIONS $^{164}\text{Dy}(\text{n}, \gamma)$, $\text{E}=\text{thermal}$; measured capture σ , resonance integral. Activation method. JOUR NIMAE 550 626

A=166

- ¹⁶⁶Gd 2005IC02 RADIOACTIVITY ¹⁵⁹Pm, ¹⁶²Sm, ¹⁶⁶Gd, ¹⁶⁶Tb(β^-) [from ²³⁸U(p, F)]; measured $E\gamma$, $I\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin, $T_{1/2}$. ¹⁶⁶Tb deduced levels, β -feeding intensities. JOUR PRVCA 71 067302
- ¹⁶⁶Tb 2005IC02 RADIOACTIVITY ¹⁵⁹Pm, ¹⁶²Sm, ¹⁶⁶Gd, ¹⁶⁶Tb(β^-) [from ²³⁸U(p, F)]; measured $E\gamma$, $I\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin, $T_{1/2}$. ¹⁶⁶Tb deduced levels, β -feeding intensities. JOUR PRVCA 71 067302
- ¹⁶⁶Dy 2005IC02 RADIOACTIVITY ¹⁵⁹Pm, ¹⁶²Sm, ¹⁶⁶Gd, ¹⁶⁶Tb(β^-) [from ²³⁸U(p, F)]; measured $E\gamma$, $I\gamma$, $\beta\gamma^-$, $\gamma\gamma$ -coin, $T_{1/2}$. ¹⁶⁶Tb deduced levels, β -feeding intensities. JOUR PRVCA 71 067302

A=167

No references found

A=168

No references found

A=169

- ¹⁶⁹Tm 2005ALZX NUCLEAR REACTIONS ¹⁶⁹Tm(n, n), (n, n'), E=600 MeV; measured E_n , $\sigma(\theta)$. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1054

A=170

No references found

A=171

- ¹⁷¹Os 2005ANZY RADIOACTIVITY ^{186,187}Po, ¹⁸³Pb, ¹⁷⁹Hg, ¹⁷⁵Pt(α) [from ¹⁴⁴Sm(⁴⁶Ti, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. ¹⁸³Pb deduced excited state energy. ¹⁸⁷Po deduced isomeric states. ¹⁹²At(α) [from ¹⁴⁴Sm(⁵¹V, xn)]; measured $E\alpha$, $\alpha\alpha$ -coin, $T_{1/2}$; deduced isomeric states. REPT GSI 2005-1, P77, Andreyev

A=172

No references found

A=173

- ¹⁷³Lu 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ . Comparison with model predictions. PREPRINT nucl-ex/0507009,7/05/2005
- ¹⁷³Au 2005CAZY NUCLEAR REACTIONS ^{92,94,96}Mo(⁸⁴Sr, 2np), E not given; ⁹⁰Zr(⁹⁰Zr, n), E=369, 380 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{173,175,177}Au, ¹⁷⁹Hg deduced high-spin levels, J, π , shape coexistence features. Gammasphere, mass separator, recoil-decay tagging. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894

A=174

- ¹⁷⁴Yb 2005GR22 NUCLEAR REACTIONS ¹⁷³Yb(n, γ), E=resonance; measured E γ , I γ . ¹⁷⁴Yb deduced levels, J, π , transition intensities and multiplicities, resonance features. Radiative capture, average resonance capture, neutron filtered beams, pair spectrometer. JOUR NUPAB 757 287
- ¹⁷⁴Hf 2005TRZY NUCLEAR REACTIONS Hf(n, n), (n, γ), E \approx 0.005-200 eV; measured transmission and capture σ . ^{174,176,177,178,179,180}Hf deduced resonance parameters, capture resonance integrals. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P949

A=175

- ¹⁷⁵Pt 2005ANZY RADIOACTIVITY ^{186,187}Po, ¹⁸³Pb, ¹⁷⁹Hg, ¹⁷⁵Pt(α) [from ¹⁴⁴Sm(⁴⁶Ti, xn) and subsequent decay]; measured E α , T_{1/2}. ¹⁸³Pb deduced excited state energy. ¹⁸⁷Po deduced isomeric states. ¹⁹²At(α) [from ¹⁴⁴Sm(⁵¹V, xn)]; measured E α , $\alpha\alpha$ -coin, T_{1/2}; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev
- ¹⁷⁵Au 2005CAZY NUCLEAR REACTIONS ^{92,94,96}Mo(⁸⁴Sr, 2np), E not given; ⁹⁰Zr(⁹⁰Zr, n), E=369, 380 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{173,175,177}Au, ¹⁷⁹Hg deduced high-spin levels, J, π , shape coexistence features. Gammasphere, mass separator, recoil-decay tagging. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894

A=176

- ¹⁷⁶Lu 2005HE19 NUCLEAR REACTIONS ¹⁸O(p, n), E=2582 keV; measured neutron spectra. ¹³⁸Ba, ¹³⁹La, ¹⁷⁵Lu(n, γ), E=spectrum; measured σ . JOUR NUPAB 758 529c

A=176 (continued)

¹⁷⁶ Hf	2005TRZY	NUCLEAR REACTIONS Hf(n, n), (n, γ), E \approx 0.005-200 eV; measured transmission and capture σ . ^{174,176,177,178,179,180} Hf deduced resonance parameters, capture resonance integrals. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P949
¹⁷⁶ Os	2005WA25	RADIOACTIVITY ^{176,176m} Ir(β^+), (EC) [from ¹⁴⁶ Nd(³⁵ Cl, 5n)]; measured E γ , I γ , $\gamma\gamma$ -coin, T _{1/2} . ¹⁷⁶ Os deduced levels, J, π . ¹⁷⁶ Ir deduced low-spin isomeric state. JOUR CPLEE 22 2211
¹⁷⁶ Ir	2005WA25	RADIOACTIVITY ^{176,176m} Ir(β^+), (EC) [from ¹⁴⁶ Nd(³⁵ Cl, 5n)]; measured E γ , I γ , $\gamma\gamma$ -coin, T _{1/2} . ¹⁷⁶ Os deduced levels, J, π . ¹⁷⁶ Ir deduced low-spin isomeric state. JOUR CPLEE 22 2211

A=177

¹⁷⁷ Hf	2005TRZY	NUCLEAR REACTIONS Hf(n, n), (n, γ), E \approx 0.005-200 eV; measured transmission and capture σ . ^{174,176,177,178,179,180} Hf deduced resonance parameters, capture resonance integrals. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P949
	2005WIZZ	NUCLEAR REACTIONS ^{175,176} Lu, ^{176,177,178,179,180} Hf(n, γ), E=3-225 keV; measured capture σ ; deduced Maxwellian averaged σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1315
¹⁷⁷ Au	2005CAZY	NUCLEAR REACTIONS ^{92,94,96} Mo(⁸⁴ Sr, 2np), E not given; ⁹⁰ Zr(⁹⁰ Zr, n), E=369, 380 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{173,175,177} Au, ¹⁷⁹ Hg deduced high-spin levels, J, π , shape coexistence features. Gammasphere, mass separator, recoil-decay tagging. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894
¹⁷⁷ Hg	2005CAZY	RADIOACTIVITY ^{181,183} Pb(α); measured E α , E γ , $\alpha\gamma$ -coin. ¹⁷⁷ Hg deduced level. ¹⁷⁹ Hg deduced isomeric state energy, T _{1/2} . CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894

A=178

¹⁷⁸ Hf	2005TRZY	NUCLEAR REACTIONS Hf(n, n), (n, γ), E \approx 0.005-200 eV; measured transmission and capture σ . ^{174,176,177,178,179,180} Hf deduced resonance parameters, capture resonance integrals. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P949
	2005WIZZ	NUCLEAR REACTIONS ^{175,176} Lu, ^{176,177,178,179,180} Hf(n, γ), E=3-225 keV; measured capture σ ; deduced Maxwellian averaged σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1315

A=179

- ¹⁷⁹Hf 2005TRZY NUCLEAR REACTIONS Hf(n, n), (n, γ), E \approx 0.005-200 eV; measured transmission and capture σ . ^{174,176,177,178,179,180}Hf deduced resonance parameters, capture resonance integrals. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P949
- 2005WIZZ NUCLEAR REACTIONS ^{175,176}Lu, ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured capture σ ; deduced Maxwellian averaged σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1315
- ¹⁷⁹Hg 2005ANZY RADIOACTIVITY ^{186,187}Po, ¹⁸³Pb, ¹⁷⁹Hg, ¹⁷⁵Pt(α) [from ¹⁴⁴Sm(⁴⁶Ti, xn) and subsequent decay]; measured E α , T_{1/2}. ¹⁸³Pb deduced excited state energy. ¹⁸⁷Po deduced isomeric states. ¹⁹²At(α) [from ¹⁴⁴Sm(⁵¹V, xn)]; measured E α , $\alpha\alpha$ -coin, T_{1/2}; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev
- 2005CAZY NUCLEAR REACTIONS ^{92,94,96}Mo(⁸⁴Sr, 2np), E not given; ⁹⁰Zr(⁹⁰Zr, n), E=369, 380 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{173,175,177}Au, ¹⁷⁹Hg deduced high-spin levels, J, π , shape coexistence features. Gammasphere, mass separator, recoil-decay tagging. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894
- 2005CAZY RADIOACTIVITY ^{181,183}Pb(α); measured E α , E γ , $\alpha\gamma$ -coin. ¹⁷⁷Hg deduced level. ¹⁷⁹Hg deduced isomeric state energy, T_{1/2}. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894

A=180

- ¹⁸⁰Hf 2005TRZY NUCLEAR REACTIONS Hf(n, n), (n, γ), E \approx 0.005-200 eV; measured transmission and capture σ . ^{174,176,177,178,179,180}Hf deduced resonance parameters, capture resonance integrals. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P949
- 2005WIZZ NUCLEAR REACTIONS ^{175,176}Lu, ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured capture σ ; deduced Maxwellian averaged σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1315

A=181

- ¹⁸¹Hf 2005WIZZ NUCLEAR REACTIONS ^{175,176}Lu, ^{176,177,178,179,180}Hf(n, γ), E=3-225 keV; measured capture σ ; deduced Maxwellian averaged σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1315
- ¹⁸¹Re 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1489
- ¹⁸¹Pb 2005CAZY RADIOACTIVITY ^{181,183}Pb(α); measured E α , E γ , $\alpha\gamma$ -coin. ¹⁷⁷Hg deduced level. ¹⁷⁹Hg deduced isomeric state energy, T_{1/2}. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894

A=182

¹⁸² Hf	2005V017	RADIOACTIVITY ¹⁸² Hf(β^-); measured $T_{1/2}$. New accelerator mass spectrometry measurement discussed. JOUR NUPAB 758 340c
¹⁸² Ta	2005V017	RADIOACTIVITY ¹⁸² Hf(β^-); measured $T_{1/2}$. New accelerator mass spectrometry measurement discussed. JOUR NUPAB 758 340c
¹⁸² Re	2005NAZY	NUCLEAR REACTIONS ²⁷ Al(d, X) ²⁷ Mg / ²⁴ Na, E=22-40 MeV; Cu(d, X) ⁶² Zn / ⁶³ Zn / ⁶¹ Cu / ⁶⁴ Cu, E=22-40 MeV; W(d, X) ¹⁸¹ Re / ¹⁸² Re / ¹⁸³ Re / ¹⁸⁴ Re / ¹⁸⁶ Re / ¹⁸⁷ W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1489
¹⁸² Pb	2005ANZY	RADIOACTIVITY ^{186,187} Po, ¹⁸³ Pb, ¹⁷⁹ Hg, ¹⁷⁵ Pt(α) [from ¹⁴⁴ Sm(⁴⁶ Ti, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. ¹⁸³ Pb deduced excited state energy. ¹⁸⁷ Po deduced isomeric states. ¹⁹² At(α) [from ¹⁴⁴ Sm(⁵¹ V, xn)]; measured $E\alpha$, $\alpha\alpha$ -coin, $T_{1/2}$; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev

A=183

¹⁸³ Re	2005NAZY	NUCLEAR REACTIONS ²⁷ Al(d, X) ²⁷ Mg / ²⁴ Na, E=22-40 MeV; Cu(d, X) ⁶² Zn / ⁶³ Zn / ⁶¹ Cu / ⁶⁴ Cu, E=22-40 MeV; W(d, X) ¹⁸¹ Re / ¹⁸² Re / ¹⁸³ Re / ¹⁸⁴ Re / ¹⁸⁶ Re / ¹⁸⁷ W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1489
¹⁸³ Ir	2005FOZZ	NUCLEAR REACTIONS ¹⁹¹ Ir(n, n'), (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured $E\gamma$, $I\gamma$; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P898
¹⁸³ Pb	2005AN17	NUCLEAR REACTIONS ¹⁴² Nd(⁵² Cr, 3n), (⁵² Cr, 4n), (⁵² Cr, 5n), (⁵² Cr, 6n), (⁵² Cr, np), (⁵² Cr, 2np), (⁵² Cr, 3np), (⁵² Cr, 4np), (⁵² Cr, 5np), (⁵² Cr, 6np), E=220-310 MeV; ¹⁴² Nd(⁵⁰ Cr, 3n), (⁵⁰ Cr, 4n), (⁵⁰ Cr, 2np), (⁵⁰ Cr, 3np), (⁵⁰ Cr, 4np), (⁵⁰ Cr, 5np), E=230-285 MeV; ⁹² Mo(⁹⁸ Mo, 2np), (⁹⁸ Mo, 3np), E=427-460 MeV; ⁹³ Nb(⁹⁵ Mo, n), (⁹⁵ Mo, 2n), (⁹⁵ Mo, 3n), (⁹⁵ Mo, p), (⁹⁵ Mo, np), (⁹⁵ Mo, 2np), (⁹⁵ Mo, 3np), (⁹⁵ Mo, 4np), E=375-456 MeV; ⁹³ Nb(⁹⁴ Mo, 2n), (⁹⁴ Mo, 3n), (⁹⁴ Mo, np), (⁹⁴ Mo, 2np), (⁹⁴ Mo, 3np), E=405-450 MeV; ¹⁴⁴ Sm(⁴⁶ Ti, 3n), (⁴⁶ Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
	2005ANZY	RADIOACTIVITY ^{186,187} Po, ¹⁸³ Pb, ¹⁷⁹ Hg, ¹⁷⁵ Pt(α) [from ¹⁴⁴ Sm(⁴⁶ Ti, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. ¹⁸³ Pb deduced excited state energy. ¹⁸⁷ Po deduced isomeric states. ¹⁹² At(α) [from ¹⁴⁴ Sm(⁵¹ V, xn)]; measured $E\alpha$, $\alpha\alpha$ -coin, $T_{1/2}$; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev
	2005CAZY	RADIOACTIVITY ^{181,183} Pb(α); measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin. ¹⁷⁷ Hg deduced level. ¹⁷⁹ Hg deduced isomeric state energy, $T_{1/2}$. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P894

A=184

- ¹⁸⁴Re 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1489
- ¹⁸⁴Ir 2005FOZZ NUCLEAR REACTIONS ¹⁹¹Ir(n, n'), (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured E γ , I γ ; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P898
- ¹⁸⁴Au 2005SA40 RADIOACTIVITY ¹⁸⁴Hg(β^+), (EC) [from Pb(p, X)]; measured E γ , I γ , $\gamma\gamma$ -coin, E(ce), I(ce); deduced log ft. ¹⁸⁴Au deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR ZAANE 25 5
- ¹⁸⁴Hg 2005SA40 RADIOACTIVITY ¹⁸⁴Hg(β^+), (EC) [from Pb(p, X)]; measured E γ , I γ , $\gamma\gamma$ -coin, E(ce), I(ce); deduced log ft. ¹⁸⁴Au deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR ZAANE 25 5
- ¹⁸⁴Pb 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- ¹⁸⁴Bi 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=185

- ¹⁸⁵Re 2005SH26 NUCLEAR REACTIONS ¹⁸⁶W(⁸²Se, X)¹⁸⁷W / ¹⁸⁷Re / ¹⁸⁵Re, E=630 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ¹⁸⁷W deduced levels, J, π , isomer T_{1/2}, configuration. Recoil shadow technique. JOUR PRVCA 71 067301

A=185 (continued)

- ¹⁸⁵Ir 2005FOZZ NUCLEAR REACTIONS ¹⁹¹Ir(n, n'), (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured E γ , I γ ; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P898
- ¹⁸⁵Pb 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- ¹⁸⁵Bi 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=186

- ¹⁸⁶Re 2005ALZY NUCLEAR REACTIONS ¹⁸⁶W(d, 2n), E=12.8-5.9 MeV; measured yields. Stacked foil activation. CONF St Petersburg, P181, Alekseev
- 2005NAZY NUCLEAR REACTIONS ²⁷Al(d, X)²⁷Mg / ²⁴Na, E=22-40 MeV; Cu(d, X)⁶²Zn / ⁶³Zn / ⁶¹Cu / ⁶⁴Cu, E=22-40 MeV; W(d, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re / ¹⁸⁷W, E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1489
- ¹⁸⁶Ir 2005FOZZ NUCLEAR REACTIONS ¹⁹¹Ir(n, n'), (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured E γ , I γ ; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P898
- 2005TAZV NUCLEAR REACTIONS Ir(p, X)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁶Ir / ¹⁸⁷Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir, E \approx 10-70 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1023

A=186 (continued)

- ^{186}Pb 2005AN17 NUCLEAR REACTIONS $^{142}\text{Nd}(^{52}\text{Cr}, 3n)$, $(^{52}\text{Cr}, 4n)$, $(^{52}\text{Cr}, 5n)$, $(^{52}\text{Cr}, 6n)$, $(^{52}\text{Cr}, np)$, $(^{52}\text{Cr}, 2np)$, $(^{52}\text{Cr}, 3np)$, $(^{52}\text{Cr}, 4np)$, $(^{52}\text{Cr}, 5np)$, $(^{52}\text{Cr}, 6np)$, E=220-310 MeV; $^{142}\text{Nd}(^{50}\text{Cr}, 3n)$, $(^{50}\text{Cr}, 4n)$, $(^{50}\text{Cr}, 2np)$, $(^{50}\text{Cr}, 3np)$, $(^{50}\text{Cr}, 4np)$, $(^{50}\text{Cr}, 5np)$, E=230-285 MeV; $^{92}\text{Mo}(^{98}\text{Mo}, 2np)$, $(^{98}\text{Mo}, 3np)$, E=427-460 MeV; $^{93}\text{Nb}(^{95}\text{Mo}, n)$, $(^{95}\text{Mo}, 2n)$, $(^{95}\text{Mo}, 3n)$, $(^{95}\text{Mo}, p)$, $(^{95}\text{Mo}, np)$, $(^{95}\text{Mo}, 2np)$, $(^{95}\text{Mo}, 3np)$, $(^{95}\text{Mo}, 4np)$, E=375-456 MeV; $^{93}\text{Nb}(^{94}\text{Mo}, 2n)$, $(^{94}\text{Mo}, 3n)$, $(^{94}\text{Mo}, np)$, $(^{94}\text{Mo}, 2np)$, $(^{94}\text{Mo}, 3np)$, E=405-450 MeV; $^{144}\text{Sm}(^{46}\text{Ti}, 3n)$, $(^{46}\text{Ti}, 4n)$, E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- 2005PA42 NUCLEAR REACTIONS $^{106}\text{Pd}(^{83}\text{Kr}, 3n)$, E=355 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{186}Pb deduced levels, J, π , oblate deformation. Jurogam array, recoil-decay tagging, interacting boson model calculations. JOUR PRVCA 72 011304
- ^{186}Bi 2005AN17 NUCLEAR REACTIONS $^{142}\text{Nd}(^{52}\text{Cr}, 3n)$, $(^{52}\text{Cr}, 4n)$, $(^{52}\text{Cr}, 5n)$, $(^{52}\text{Cr}, 6n)$, $(^{52}\text{Cr}, np)$, $(^{52}\text{Cr}, 2np)$, $(^{52}\text{Cr}, 3np)$, $(^{52}\text{Cr}, 4np)$, $(^{52}\text{Cr}, 5np)$, $(^{52}\text{Cr}, 6np)$, E=220-310 MeV; $^{142}\text{Nd}(^{50}\text{Cr}, 3n)$, $(^{50}\text{Cr}, 4n)$, $(^{50}\text{Cr}, 2np)$, $(^{50}\text{Cr}, 3np)$, $(^{50}\text{Cr}, 4np)$, $(^{50}\text{Cr}, 5np)$, E=230-285 MeV; $^{92}\text{Mo}(^{98}\text{Mo}, 2np)$, $(^{98}\text{Mo}, 3np)$, E=427-460 MeV; $^{93}\text{Nb}(^{95}\text{Mo}, n)$, $(^{95}\text{Mo}, 2n)$, $(^{95}\text{Mo}, 3n)$, $(^{95}\text{Mo}, p)$, $(^{95}\text{Mo}, np)$, $(^{95}\text{Mo}, 2np)$, $(^{95}\text{Mo}, 3np)$, $(^{95}\text{Mo}, 4np)$, E=375-456 MeV; $^{93}\text{Nb}(^{94}\text{Mo}, 2n)$, $(^{94}\text{Mo}, 3n)$, $(^{94}\text{Mo}, np)$, $(^{94}\text{Mo}, 2np)$, $(^{94}\text{Mo}, 3np)$, E=405-450 MeV; $^{144}\text{Sm}(^{46}\text{Ti}, 3n)$, $(^{46}\text{Ti}, 4n)$, E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- ^{186}Po 2005AN17 NUCLEAR REACTIONS $^{142}\text{Nd}(^{52}\text{Cr}, 3n)$, $(^{52}\text{Cr}, 4n)$, $(^{52}\text{Cr}, 5n)$, $(^{52}\text{Cr}, 6n)$, $(^{52}\text{Cr}, np)$, $(^{52}\text{Cr}, 2np)$, $(^{52}\text{Cr}, 3np)$, $(^{52}\text{Cr}, 4np)$, $(^{52}\text{Cr}, 5np)$, $(^{52}\text{Cr}, 6np)$, E=220-310 MeV; $^{142}\text{Nd}(^{50}\text{Cr}, 3n)$, $(^{50}\text{Cr}, 4n)$, $(^{50}\text{Cr}, 2np)$, $(^{50}\text{Cr}, 3np)$, $(^{50}\text{Cr}, 4np)$, $(^{50}\text{Cr}, 5np)$, E=230-285 MeV; $^{92}\text{Mo}(^{98}\text{Mo}, 2np)$, $(^{98}\text{Mo}, 3np)$, E=427-460 MeV; $^{93}\text{Nb}(^{95}\text{Mo}, n)$, $(^{95}\text{Mo}, 2n)$, $(^{95}\text{Mo}, 3n)$, $(^{95}\text{Mo}, p)$, $(^{95}\text{Mo}, np)$, $(^{95}\text{Mo}, 2np)$, $(^{95}\text{Mo}, 3np)$, $(^{95}\text{Mo}, 4np)$, E=375-456 MeV; $^{93}\text{Nb}(^{94}\text{Mo}, 2n)$, $(^{94}\text{Mo}, 3n)$, $(^{94}\text{Mo}, np)$, $(^{94}\text{Mo}, 2np)$, $(^{94}\text{Mo}, 3np)$, E=405-450 MeV; $^{144}\text{Sm}(^{46}\text{Ti}, 3n)$, $(^{46}\text{Ti}, 4n)$, E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- 2005ANZY NUCLEAR REACTIONS $^{144}\text{Sm}(^{46}\text{Ti}, xn)$, E not given; measured $E\gamma$, $E\alpha$, $\alpha\alpha$ -, $\alpha\gamma$ -coin following residual nucleus decay; deduced evidence for $^{186,187}\text{Po}$. $^{144}\text{Sm}(^{51}\text{V}, xn)$, E not given; measured $E\gamma$, $E\alpha$, $\alpha\alpha$ -, $\alpha\gamma$ -coin following residual nucleus decay; deduced evidence for ^{192}At . REPT GSI 2005-1,P77,Andreyev
- 2005ANZY RADIOACTIVITY $^{186,187}\text{Po}$, ^{183}Pb , ^{179}Hg , $^{175}\text{Pt}(\alpha)$ [from $^{144}\text{Sm}(^{46}\text{Ti}, xn)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. ^{183}Pb deduced excited state energy. ^{187}Po deduced isomeric states. $^{192}\text{At}(\alpha)$ [from $^{144}\text{Sm}(^{51}\text{V}, xn)$]; measured $E\alpha$, $\alpha\alpha$ -coin, $T_{1/2}$; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev

A=187

- ^{187}W 2005NAZY NUCLEAR REACTIONS $^{27}\text{Al}(\text{d}, \text{X})^{27}\text{Mg}$ / ^{24}Na , E=22-40 MeV; $\text{Cu}(\text{d}, \text{X})^{62}\text{Zn}$ / ^{63}Zn / ^{61}Cu / ^{64}Cu , E=22-40 MeV; $\text{W}(\text{d}, \text{X})^{181}\text{Re}$ / ^{182}Re / ^{183}Re / ^{184}Re / ^{186}Re / ^{187}W , E=22-40 MeV; measured activation σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1489
- 2005SH26 NUCLEAR REACTIONS $^{186}\text{W}(\text{Se}, \text{X})^{187}\text{W}$ / ^{187}Re / ^{185}Re , E=630 MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$, (particle) γ -coin. ^{187}W deduced levels, J, π , isomer $T_{1/2}$, configuration. Recoil shadow technique. JOUR PRVCA 71 067301
- ^{187}Re 2005SH26 NUCLEAR REACTIONS $^{186}\text{W}(\text{Se}, \text{X})^{187}\text{W}$ / ^{187}Re / ^{185}Re , E=630 MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$, (particle) γ -coin. ^{187}W deduced levels, J, π , isomer $T_{1/2}$, configuration. Recoil shadow technique. JOUR PRVCA 71 067301
- ^{187}Os 2005AB22 NUCLEAR REACTIONS $^{186,187}\text{Os}(\text{n}, \gamma)$, E \approx 1-1000 keV; measured capture σ . Astrophysical implications discussed. JOUR NUPAB 758 501c
- 2005MOZV NUCLEAR REACTIONS $^{186,187,188}\text{Os}(\text{n}, \gamma)$, E < 1 MeV; measured capture σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1335
- 2005SE19 NUCLEAR REACTIONS $^{186,187,188}\text{Os}(\text{n}, \gamma)$, E=10-90 keV; measured $E\gamma$, $I\gamma$. JOUR NUPAB 758 553c
- 2005SH37 NUCLEAR REACTIONS ^{186}W , ^{187}Re , $^{188}\text{Os}(\gamma, \text{n})$, E=7.3-10.9 MeV; measured σ . ^{185}W , ^{186}Re , $^{187}\text{Os}(\text{n}, \gamma)$, E < 100 keV; calculated capture σ . Astrophysical implications discussed. JOUR PRVCA 72 025808
- 2005SH41 NUCLEAR REACTIONS $^{188}\text{Os}(\gamma, \text{n})$, E=8-11 MeV; measured σ ; deduced parameters. $^{187}\text{Os}(\text{n}, \gamma)$, E=5-50 keV; calculated capture σ . Astrophysical implications discussed. JOUR NUPAB 758 561c
- 2005SHZX NUCLEAR REACTIONS ^{186}W , ^{187}Re , $^{188}\text{Os}(\gamma, \text{n})$, E \approx 7.3-10.9 MeV; measured σ ; deduced parameters. Hauser-Feshbach model, implications for cosmochronology discussed. PREPRINT
nucl-ex/0506027,6/30/2005
- ^{187}Ir 2005FOZZ NUCLEAR REACTIONS $^{191}\text{Ir}(\text{n}, \text{n}')$, (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured $E\gamma$, $I\gamma$; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P898
- 2005TAZV NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{X})^{188}\text{Pt}$ / ^{189}Pt / ^{191}Pt / ^{186}Ir / ^{187}Ir / ^{188}Ir / ^{189}Ir / ^{190}Ir / ^{192}Ir , E \approx 10-70 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1023

A=187 (continued)

- ¹⁸⁷Pb 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- ¹⁸⁷Bi 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- ¹⁸⁷Po 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- 2005ANZY NUCLEAR REACTIONS ¹⁴⁴Sm(⁴⁶Ti, xn), E not given; measured E γ , E α , $\alpha\alpha$ -, $\alpha\gamma$ -coin following residual nucleus decay; deduced evidence for ^{186,187}Po. ¹⁴⁴Sm(⁵¹V, xn), E not given; measured E γ , E α , $\alpha\alpha$ -, $\alpha\gamma$ -coin following residual nucleus decay; deduced evidence for ¹⁹²At. REPT GSI 2005-1,P77,Andreyev
- 2005ANZY RADIOACTIVITY ^{186,187}Po, ¹⁸³Pb, ¹⁷⁹Hg, ¹⁷⁵Pt(α) [from ¹⁴⁴Sm(⁴⁶Ti, xn) and subsequent decay]; measured E α , T_{1/2}. ¹⁸³Pb deduced excited state energy. ¹⁸⁷Po deduced isomeric states. ¹⁹²At(α) [from ¹⁴⁴Sm(⁵¹V, xn)]; measured E α , $\alpha\alpha$ -coin, T_{1/2}; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev

A=188

^{188}Os	2005AB22	NUCLEAR REACTIONS $^{186,187}\text{Os}(n, \gamma)$, $E \approx 1\text{-}1000$ keV; measured capture σ . Astrophysical implications discussed. JOUR NUPAB 758 501c
	2005MOZV	NUCLEAR REACTIONS $^{186,187,188}\text{Os}(n, \gamma)$, $E < 1$ MeV; measured capture σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1335
	2005SE19	NUCLEAR REACTIONS $^{186,187,188}\text{Os}(n, \gamma)$, $E=10\text{-}90$ keV; measured $E\gamma$, $I\gamma$. JOUR NUPAB 758 553c
	2005SH37	NUCLEAR REACTIONS ^{186}W , ^{187}Re , $^{188}\text{Os}(\gamma, n)$, $E=7.3\text{-}10.9$ MeV; measured σ . ^{185}W , ^{186}Re , $^{187}\text{Os}(n, \gamma)$, $E < 100$ keV; calculated capture σ . Astrophysical implications discussed. JOUR PRVCA 72 025808
	2005SH41	NUCLEAR REACTIONS $^{188}\text{Os}(\gamma, n)$, $E=8\text{-}11$ MeV; measured σ ; deduced parameters. $^{187}\text{Os}(n, \gamma)$, $E=5\text{-}50$ keV; calculated capture σ . Astrophysical implications discussed. JOUR NUPAB 758 561c
^{188}Ir	2005FOZZ	NUCLEAR REACTIONS $^{191}\text{Ir}(n, n')$, $(n, 2n)$, $(n, 3n)$, $(n, 4n)$, $(n, 5n)$, $(n, 6n)$, $(n, 7n)$, $(n, 8n)$, $(n, 9n)$, $E=1\text{-}300$ MeV; measured $E\gamma$, $I\gamma$; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P898
	2005TAZV	NUCLEAR REACTIONS $\text{Ir}(p, X)^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{186}\text{Ir} / ^{187}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir}$, $E \approx 10\text{-}70$ MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1023
^{188}Pt	2005TAZV	NUCLEAR REACTIONS $\text{Ir}(p, X)^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{186}\text{Ir} / ^{187}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir}$, $E \approx 10\text{-}70$ MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1023
^{188}Bi	2005AN17	NUCLEAR REACTIONS $^{142}\text{Nd}(^{52}\text{Cr}, 3n)$, $(^{52}\text{Cr}, 4n)$, $(^{52}\text{Cr}, 5n)$, $(^{52}\text{Cr}, 6n)$, $(^{52}\text{Cr}, np)$, $(^{52}\text{Cr}, 2np)$, $(^{52}\text{Cr}, 3np)$, $(^{52}\text{Cr}, 4np)$, $(^{52}\text{Cr}, 5np)$, $(^{52}\text{Cr}, 6np)$, $E=220\text{-}310$ MeV; $^{142}\text{Nd}(^{50}\text{Cr}, 3n)$, $(^{50}\text{Cr}, 4n)$, $(^{50}\text{Cr}, 2np)$, $(^{50}\text{Cr}, 3np)$, $(^{50}\text{Cr}, 4np)$, $(^{50}\text{Cr}, 5np)$, $E=230\text{-}285$ MeV; $^{92}\text{Mo}(^{98}\text{Mo}, 2np)$, $(^{98}\text{Mo}, 3np)$, $E=427\text{-}460$ MeV; $^{93}\text{Nb}(^{95}\text{Mo}, n)$, $(^{95}\text{Mo}, 2n)$, $(^{95}\text{Mo}, 3n)$, $(^{95}\text{Mo}, p)$, $(^{95}\text{Mo}, np)$, $(^{95}\text{Mo}, 2np)$, $(^{95}\text{Mo}, 3np)$, $(^{95}\text{Mo}, 4np)$, $E=375\text{-}456$ MeV; $^{93}\text{Nb}(^{94}\text{Mo}, 2n)$, $(^{94}\text{Mo}, 3n)$, $(^{94}\text{Mo}, np)$, $(^{94}\text{Mo}, 2np)$, $(^{94}\text{Mo}, 3np)$, $E=405\text{-}450$ MeV; $^{144}\text{Sm}(^{46}\text{Ti}, 3n)$, $(^{46}\text{Ti}, 4n)$, $E=202\text{-}242$ MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
	2005ANZY	RADIOACTIVITY $^{186,187}\text{Po}$, ^{183}Pb , ^{179}Hg , $^{175}\text{Pt}(\alpha)$ [from $^{144}\text{Sm}(^{46}\text{Ti}, xn)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. ^{183}Pb deduced excited state energy. ^{187}Po deduced isomeric states. $^{192}\text{At}(\alpha)$ [from $^{144}\text{Sm}(^{51}\text{V}, xn)$]; measured $E\alpha$, $\alpha\alpha$ -coin, $T_{1/2}$; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev

A=188 (continued)

¹⁸⁸Po 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=189

¹⁸⁹Os 2005MOZV NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E < 1 MeV; measured capture σ . Comparison with previous results, astrophysical implications discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1335

2005SE19 NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E=10-90 keV; measured E γ , I γ . JOUR NUPAB 758 553c

¹⁸⁹Ir 2005FOZZ NUCLEAR REACTIONS ¹⁹¹Ir(n, n'), (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured E γ , I γ ; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P898

2005TAZV NUCLEAR REACTIONS Ir(p, X)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁶Ir / ¹⁸⁷Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir, E \approx 10-70 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1023

2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E \approx 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 0-21 MeV; Pt(α , X)¹⁹⁵Au / ¹⁹⁶Au, E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1015

¹⁸⁹Pt 2005TAZV NUCLEAR REACTIONS Ir(p, X)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁶Ir / ¹⁸⁷Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir, E \approx 10-70 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1023

¹⁸⁹Bi 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=189 (continued)

¹⁸⁹Po 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=190

¹⁹⁰Ir 2005FOZZ NUCLEAR REACTIONS ¹⁹¹Ir(n, n'), (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured $E\gamma$, $I\gamma$; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P898

2005TAZV NUCLEAR REACTIONS Ir(p, X)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁶Ir / ¹⁸⁷Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir, E \approx 10-70 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1023

2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E \approx 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 0-21 MeV; Pt(α , X)¹⁹⁵Au / ¹⁹⁶Au, E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1015

2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1070

2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ . Comparison with model predictions. PREPRINT nucl-ex/0507009,7/05/2005

¹⁹⁰Pt 2005LEZW NUCLEAR REACTIONS ^{188,190,194}Os, ^{194,196}Pt(α , 2n), E=27 MeV; measured $E\gamma$, $I\gamma(\theta, H, t)$. ^{190,192,194}Pt, ^{196,198}Hg deduced isomeric states g-factors, configurations. Integral perturbed angular distribution method, HPGe detectors. CONF St Petersburg, P81, Levon

A=190 (continued)

- ¹⁹⁰Bi 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- ¹⁹⁰Po 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=191

- ¹⁹¹Ir 2005FOZZ NUCLEAR REACTIONS ¹⁹¹Ir(n, n'), (n, 2n), (n, 3n), (n, 4n), (n, 5n), (n, 6n), (n, 7n), (n, 8n), (n, 9n), E=1-300 MeV; measured E γ , I γ ; deduced γ -ray production σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P898
- ¹⁹¹Pt 2005TAZV NUCLEAR REACTIONS Ir(p, X)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁶Ir / ¹⁸⁷Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir, E \approx 10-70 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1023
- ¹⁹¹Bi 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=191 (continued)

¹⁹¹Po 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612

A=192

¹⁹²Ir 2005HIZX NUCLEAR REACTIONS ⁶⁶Zn(d, α), E=5-14 MeV; Ce(³He, xn)¹⁴⁰Nd, E=16-35 MeV; ¹⁴¹Ce(p, 2n), E=10-45 MeV; ¹⁹²Os(p, n), E=6-19 MeV; measured excitation functions; deduced thick-target yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol2, P1631

2005TAZV NUCLEAR REACTIONS Ir(p, X)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁶Ir / ¹⁸⁷Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir, E \approx 10-70 MeV; measured excitation functions; deduced integral yields. Stacked-foil activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1023

2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E \approx 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 0-21 MeV; Pt(α , X)¹⁹⁵Au / ¹⁹⁶Au, E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1015

2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1070

2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ . Comparison with model predictions. PREPRINT nucl-ex/0507009, 7/05/2005

¹⁹²Pt 2005LEZW NUCLEAR REACTIONS ^{188,190,194}Os, ^{194,196}Pt(α , 2n), E=27 MeV; measured E γ , I γ (θ , H, t). ^{190,192,194}Pt, ^{196,198}Hg deduced isomeric states g-factors, configurations. Integral perturbed angular distribution method, HPGe detectors. CONF St Petersburg, P81, Levon

¹⁹²Au 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E \approx 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 0-21 MeV; Pt(α , X)¹⁹⁵Au / ¹⁹⁶Au, E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1015

A=192 (continued)

- ¹⁹²Bi 2005AN17 NUCLEAR REACTIONS ¹⁴²Nd(⁵²Cr, 3n), (⁵²Cr, 4n), (⁵²Cr, 5n), (⁵²Cr, 6n), (⁵²Cr, np), (⁵²Cr, 2np), (⁵²Cr, 3np), (⁵²Cr, 4np), (⁵²Cr, 5np), (⁵²Cr, 6np), E=220-310 MeV; ¹⁴²Nd(⁵⁰Cr, 3n), (⁵⁰Cr, 4n), (⁵⁰Cr, 2np), (⁵⁰Cr, 3np), (⁵⁰Cr, 4np), (⁵⁰Cr, 5np), E=230-285 MeV; ⁹²Mo(⁹⁸Mo, 2np), (⁹⁸Mo, 3np), E=427-460 MeV; ⁹³Nb(⁹⁵Mo, n), (⁹⁵Mo, 2n), (⁹⁵Mo, 3n), (⁹⁵Mo, p), (⁹⁵Mo, np), (⁹⁵Mo, 2np), (⁹⁵Mo, 3np), (⁹⁵Mo, 4np), E=375-456 MeV; ⁹³Nb(⁹⁴Mo, 2n), (⁹⁴Mo, 3n), (⁹⁴Mo, np), (⁹⁴Mo, 2np), (⁹⁴Mo, 3np), E=405-450 MeV; ¹⁴⁴Sm(⁴⁶Ti, 3n), (⁴⁶Ti, 4n), E=202-242 MeV; measured σ . Velocity filter, comparison with statistical model predictions. JOUR PRVCA 72 014612
- ¹⁹²At 2005ANZY NUCLEAR REACTIONS ¹⁴⁴Sm(⁴⁶Ti, xn), E not given; measured E γ , E α , $\alpha\alpha$ -, $\alpha\gamma$ -coin following residual nucleus decay; deduced evidence for ^{186,187}Po. ¹⁴⁴Sm(⁵¹V, xn), E not given; measured E γ , E α , $\alpha\alpha$ -, $\alpha\gamma$ -coin following residual nucleus decay; deduced evidence for ¹⁹²At. REPT GSI 2005-1,P77,Andreyev
- 2005ANZY RADIOACTIVITY ^{186,187}Po, ¹⁸³Pb, ¹⁷⁹Hg, ¹⁷⁵Pt(α) [from ¹⁴⁴Sm(⁴⁶Ti, xn) and subsequent decay]; measured E α , T_{1/2}. ¹⁸³Pb deduced excited state energy. ¹⁸⁷Po deduced isomeric states. ¹⁹²At(α) [from ¹⁴⁴Sm(⁵¹V, xn)]; measured E α , $\alpha\alpha$ -coin, T_{1/2}; deduced isomeric states. REPT GSI 2005-1,P77,Andreyev

A=193

- ¹⁹³Au 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E \approx 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 0-21 MeV; Pt(α , X)¹⁹⁵Au / ¹⁹⁶Au, E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1015

A=194

- ¹⁹⁴Ir 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E \approx 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 0-21 MeV; Pt(α , X)¹⁹⁵Au / ¹⁹⁶Au, E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1015
- ¹⁹⁴Pt 2005LEZW NUCLEAR REACTIONS ^{188,190,194}Os, ^{194,196}Pt(α , 2n), E=27 MeV; measured E γ , I γ (θ , H, t). ^{190,192,194}Pt, ^{196,198}Hg deduced isomeric states g-factors, configurations. Integral perturbed angular distribution method, HPGe detectors. CONF St Petersburg,P81,Levon
- ¹⁹⁴Au 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E \approx 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 0-21 MeV; Pt(α , X)¹⁹⁵Au / ¹⁹⁶Au, E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1015

A=195

- ¹⁹⁵Pt 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E ≈ 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E ≈ 0-21 MeV; Pt(α, X)¹⁹⁵Au / ¹⁹⁶Au, E ≈ 0-38 MeV; measured activation σ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1015
- ¹⁹⁵Au 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E ≈ 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E ≈ 0-21 MeV; Pt(α, X)¹⁹⁵Au / ¹⁹⁶Au, E ≈ 0-38 MeV; measured activation σ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1015

A=196

- ¹⁹⁶Au 2005DA34 NUCLEAR REACTIONS ¹⁹⁷Au(¹²C, ¹¹C), (¹²C, ¹³C), (¹⁶O, ¹⁵O), (¹⁶O, ¹⁷O), E ≈ 6-7 MeV / nucleon; measured yield ratios, high spin yield fraction; deduced reaction mechanism features. Radiochemical and off-line spectrometric techniques. JOUR JRNC D 266 79
- 2005MIZZ NUCLEAR REACTIONS Cu(n, X)⁵⁶Co, E=40-180 MeV; Fe(n, X)⁵⁴Mn / ⁵²Mn / ⁵¹Cr / ⁴⁸V, E ≈ 0-180 MeV; Pb(n, X)¹⁹⁶Au / ²⁰⁰Pb / ¹⁰³Ru, E ≈ 40-180 MeV; U(n, X)⁹⁹Mo, E ≈ 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P861
- 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E ≈ 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E ≈ 0-21 MeV; Pt(α, X)¹⁹⁵Au / ¹⁹⁶Au, E ≈ 0-38 MeV; measured activation σ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1015
- 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ. Comparison with model predictions. PREPRINT nucl-ex/0507009,7/05/2005
- ¹⁹⁶Hg 2005LEZW NUCLEAR REACTIONS ^{188,190,194}Os, ^{194,196}Pt(α, 2n), E=27 MeV; measured Eγ, Iγ(θ, H, t). ^{190,192,194}Pt, ^{196,198}Hg deduced isomeric states g-factors, configurations. Integral perturbed angular distribution method, HPGe detectors. CONF St Petersburg,P81,Levon

A=197

- ^{197}Pt 2005TAZW NUCLEAR REACTIONS Pt(p, X) ^{195}Au / ^{196}Au / ^{198}Au / ^{189}Ir / ^{190}Ir / ^{192}Ir / ^{194}Ir , E \approx 0-70 MeV; Pt(d, X) ^{192}Au / ^{193}Au / ^{194}Au / ^{195}Au / ^{196}Au / ^{195m}Pt / ^{197}Pt / ^{192}Ir , E \approx 0-21 MeV; Pt(α , X) ^{195}Au / ^{196}Au , E \approx 0-38 MeV; measured activation σ ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1015
- ^{197}Au 2005BU29 NUCLEAR REACTIONS $^{197}\text{Au}(^{54}\text{Cr}, ^{54}\text{Cr}')$, ($^{56}\text{Cr}, ^{56}\text{Cr}'$), ($^{58}\text{Cr}, ^{58}\text{Cr}'$), E \approx 100 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. $^{54,56,58}\text{Cr}$ deduced transitions B(E2). Comparison with shell model predictions. JOUR PYLBB 622 29
- 2005F006 NUCLEAR REACTIONS $^{197}\text{Au}(n, n'\gamma)$, E \approx 2-12 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, excitation functions. ^{197}Au deduced levels, J, π , configurations. JOUR PRVCA 71 064314
- 2005GA22 NUCLEAR REACTIONS $^{197}\text{Au}(^{72}\text{Kr}, ^{72}\text{Kr}')$, E=69.3 MeV / nucleon; $^{197}\text{Au}(^{78}\text{Kr}, ^{78}\text{Kr}')$, E=57.4 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. $^{72,78}\text{Kr}$ deduced excitation B(E2), quadrupole moments, deformation. Comparison with shell-model Monte Carlo predictions. JOUR PRLTA 95 022502
- 2005HUZZ NUCLEAR REACTIONS $^{197}\text{Au}(^{54}\text{Cr}, ^{54}\text{Cr}')$, ($^{56}\text{Cr}, ^{56}\text{Cr}'$), ($^{58}\text{Cr}, ^{58}\text{Cr}'$), E \approx 136 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. $^{54,56,58}\text{Cr}$ deduced levels, B(E2). CONF Bormio (XLIII Winter Meeting) Proc, P232
- 2005IMZZ NUCLEAR REACTIONS $^{197}\text{Au}(^{12}\text{Be}, ^{12}\text{Be}')$, E=40.3 MeV / nucleon; measured E γ , I γ , (particle) γ -coin, DSA following projectile Coulomb excitation. ^{12}Be deduced transition. REPT RIKEN 2004 Annual, P41, Imai
- 2005SMZX NUCLEAR REACTIONS $^{197}\text{Au}(n, n)$, E=0.3-10 MeV; measured $\sigma(\theta)$. $^{197}\text{Au}(n, X)$, E \approx 0-15 MeV; analyzed total σ . Optical-statistical and coupled-channels model analysis. REPT ANL/NDM-161, Smith
- ^{197}Bi 2005MA51 NUCLEAR REACTIONS $^{181}\text{Ta}(^{22}\text{Ne}, 6n)$, E=125 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{197}Bi deduced high-spin levels, J, π , configurations, shears band. Afrodite array, total Routhian surface calculations. JOUR ZAANE 25 49

A=198

- ^{198}Au 2005DA34 NUCLEAR REACTIONS $^{197}\text{Au}(^{12}\text{C}, ^{11}\text{C})$, ($^{12}\text{C}, ^{13}\text{C}$), ($^{16}\text{O}, ^{15}\text{O}$), ($^{16}\text{O}, ^{17}\text{O}$), E \approx 6-7 MeV / nucleon; measured yield ratios, high spin yield fraction; deduced reaction mechanism features. Radiochemical and off-line spectrometric techniques. JOUR JRNCD 266 79
- 2005MIZX NUCLEAR REACTIONS ^{23}Na , ^{27}Al , ^{51}V , ^{55}Mn , ^{64}Ni , ^{65}Cu , ^{141}Pr , ^{186}W , $^{197}\text{Au}(n, \gamma)$, E=thermal; measured prompt and delayed E γ , I γ ; deduced capture σ . Reliability of prompt γ -ray method discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P996

A=198 (continued)

- 2005TAZW NUCLEAR REACTIONS Pt(p, X)¹⁹⁵Au / ¹⁹⁶Au / ¹⁹⁸Au / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁹⁴Ir, E ≈ 0-70 MeV; Pt(d, X)¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E ≈ 0-21 MeV; Pt(α, X)¹⁹⁵Au / ¹⁹⁶Au, E ≈ 0-38 MeV; measured activation σ; deduced integral yields. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1015
- ¹⁹⁸Hg 2005LEZW NUCLEAR REACTIONS ^{188,190,194}Os, ^{194,196}Pt(α, 2n), E=27 MeV; measured Eγ, Iγ(θ, H, t). ^{190,192,194}Pt, ^{196,198}Hg deduced isomeric states g-factors, configurations. Integral perturbed angular distribution method, HPGe detectors. CONF St Petersburg, P81, Levon

A=199

- ¹⁹⁹Hg 2005BIZY NUCLEAR REACTIONS ¹¹³In, ¹⁹⁵Pt, ¹⁹⁹Hg(γ, γ'), E=4-12 MeV; measured isomer production σ. Microtron. CONF St Petersburg, P215, Bigan
- 2005H016 NUCLEAR REACTIONS ²⁰⁰Hg(γ, n), E ≈ 10-17 MeV; ¹⁹⁹Hg(γ, γ'), E ≈ 4-10 MeV; measured isomer excitation σ. Comparison with cascade-evaporation model predictions. JOUR UKPJA 50 649
- ¹⁹⁹Tl 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ. Comparison with model predictions. PREPRINT nucl-ex/0507009, 7/05/2005

A=200

- ²⁰⁰Tl 2005TIZX NUCLEAR REACTIONS Pb, ²⁰⁸Pb(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured excitation functions. Comparison with previous work and model predictions. Other reactions discussed. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1070
- 2005TIZY NUCLEAR REACTIONS Pb, ²⁰⁸Pb, ²⁰⁹Bi(p, X)²⁰³Pb / ²⁰⁰Tl / ¹⁹⁹Tl / ¹⁹⁶Au / ¹⁹²Ir / ¹⁹⁰Ir / ¹⁷³Lu / ^{101m}Rh / ⁸⁶Rb / ⁵⁹Fe / ²⁴Na / ⁷Be, E=40-2600 MeV; measured production σ. Comparison with model predictions. PREPRINT nucl-ex/0507009, 7/05/2005
- ²⁰⁰Pb 2005MIZZ NUCLEAR REACTIONS Cu(n, X)⁵⁶Co, E=40-180 MeV; Fe(n, X)⁵⁴Mn / ⁵²Mn / ⁵¹Cr / ⁴⁸V, E ≈ 0-180 MeV; Pb(n, X)¹⁹⁶Au / ²⁰⁰Pb / ¹⁰³Ru, E ≈ 40-180 MeV; U(n, X)⁹⁹Mo, E ≈ 0-180 MeV; measured excitation functions. Comparison with proton-induced reactions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P861

A=201

No references found

A=202

No references found

A=203

- ^{203}Pb 2005GA40 NUCLEAR REACTIONS $^{190,192,198}\text{Pt}$, $^{196,198,204}\text{Hg}$, $^{204}\text{Pb}(\gamma, n)$,
E=spectrum; measured reaction rates. Astrophysical implications
discussed, comparison with model predictions. JOUR NUPAB 758 521c
- 2005TIZX NUCLEAR REACTIONS Pb, $^{208}\text{Pb}(p, X)^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl /
 ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be ,
E=40-2600 MeV; measured excitation functions. Comparison with
previous work and model predictions. Other reactions discussed.
- 2005TIZY CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P1070
NUCLEAR REACTIONS Pb, ^{208}Pb , $^{209}\text{Bi}(p, X)^{203}\text{Pb}$ / ^{200}Tl / ^{199}Tl
/ ^{196}Au / ^{192}Ir / ^{190}Ir / ^{173}Lu / ^{101m}Rh / ^{86}Rb / ^{59}Fe / ^{24}Na / ^7Be ,
E=40-2600 MeV; measured production σ . Comparison with model
predictions. PREPRINT nucl-ex/0507009,7/05/2005
- ^{203}Bi 2005MU21 NUCLEAR REACTIONS $^{115}\text{In}(n, n')$, $^{27}\text{Al}(n, \alpha)$, $^{93}\text{Nb}(n, 2n)$, $(n, 4n)$,
 $^{209}\text{Bi}(n, 4n)$, $(n, 5n)$, $(n, 6n)$, $(n, 7n)$, E \approx 10-1000 MeV; measured
reaction rates. Comparison with model predictions. JOUR NIMAE 547
555

A=204

- ^{204}Bi 2005MU21 NUCLEAR REACTIONS $^{115}\text{In}(n, n')$, $^{27}\text{Al}(n, \alpha)$, $^{93}\text{Nb}(n, 2n)$, $(n, 4n)$,
 $^{209}\text{Bi}(n, 4n)$, $(n, 5n)$, $(n, 6n)$, $(n, 7n)$, E \approx 10-1000 MeV; measured
reaction rates. Comparison with model predictions. JOUR NIMAE 547
555

A=205

- ^{205}Tl 2005LIZZ ATOMIC MASSES ^{205}Tl , $^{220,221,222}\text{At}$, $^{220,221,222,223}\text{Rn}$, $^{223,224,225}\text{Fr}$,
 $^{223,224,225,226,227,229,230,231}\text{Ra}$, $^{227,229,230,231}\text{Ac}$, $^{230,231}\text{Th}$, ^{232}U ;
measured masses. Schottky mass spectrometry, ^{238}U fragmentation.
REPT GSI 2005-1, P79, Litvinov
- ^{205}Pb 2005SMZZ NUCLEAR REACTIONS $^{204,206,207,208}\text{Pb}$, $^{205}\text{Tl}(n, F)$, (p, F) ,
E=30-180 MeV; measured fission σ . ^{206}Tl , $^{205,206,207,208,209}\text{Pb}$,
 $^{205,207,208,209}\text{Bi}$; deduced fissility. CONF Santa Fe (Nucl Data for Sci
and Technol) Proc, Vol1, P637

A=205 (continued)

- ²⁰⁵Bi 2005MU21 NUCLEAR REACTIONS ¹¹⁵In(n, n'), ²⁷Al(n, α), ⁹³Nb(n, 2n), (n, 4n), ²⁰⁹Bi(n, 4n), (n, 5n), (n, 6n), (n, 7n), E ≈ 10-1000 MeV; measured reaction rates. Comparison with model predictions. JOUR NIMAE 547 555
- 2005SMZZ NUCLEAR REACTIONS ^{204,206,207,208}Pb, ²⁰⁵Tl(n, F), (p, F), E=30-180 MeV; measured fission σ. ²⁰⁶Tl, ^{205,206,207,208,209}Pb, ^{205,207,208,209}Bi; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P637

A=206

- ²⁰⁶Tl 2005SMZZ NUCLEAR REACTIONS ^{204,206,207,208}Pb, ²⁰⁵Tl(n, F), (p, F), E=30-180 MeV; measured fission σ. ²⁰⁶Tl, ^{205,206,207,208,209}Pb, ^{205,207,208,209}Bi; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P637
- ²⁰⁶Pb 2005PAZW NUCLEAR REACTIONS ²⁰⁷Pb(n, 2n), E < 20 MeV; ²³²Th(n, 5n), E=29-42 MeV; measured Eγ, Iγ. ²⁰⁷Pb(n, 2n), E=8-24 MeV; calculated σ. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P876
- 2005SMZZ NUCLEAR REACTIONS ^{204,206,207,208}Pb, ²⁰⁵Tl(n, F), (p, F), E=30-180 MeV; measured fission σ. ²⁰⁶Tl, ^{205,206,207,208,209}Pb, ^{205,207,208,209}Bi; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P637
- ²⁰⁶Bi 2005MU21 NUCLEAR REACTIONS ¹¹⁵In(n, n'), ²⁷Al(n, α), ⁹³Nb(n, 2n), (n, 4n), ²⁰⁹Bi(n, 4n), (n, 5n), (n, 6n), (n, 7n), E ≈ 10-1000 MeV; measured reaction rates. Comparison with model predictions. JOUR NIMAE 547 555

A=207

- ²⁰⁷Tl 2005B0ZU RADIOACTIVITY ^{207,207m}Tl(β⁻); measured ground-state and isomer decay T_{1/2} of fully-stripped ion. Time-resolved Schottky mass spectrometry. REPT GSI 2005-1,P81,Boutin
- 20050H08 RADIOACTIVITY ²⁰⁷Tl(β⁻) [from Be(²⁰⁸Pb, X)]; measured ratio of bound-state and continuum-state decay rates for β-decay of bare ions. Comparison with model predictions. JOUR PRLTA 95 052501
- ²⁰⁷Pb 2005BEZT NUCLEAR REACTIONS ³⁵Cl(n, γ), E not given; measured Eγ, Iγ. ³⁶Cl deduced transitions, level energies, binding energy. ^{52,54}Cr, ⁵⁶Fe, ²⁰⁶Pb(n, γ), E not given; analyzed Eγ. ^{53,55}Cr, ⁵⁷Fe, ²⁰⁷Pb deduced binding energies. GAMS4 spectrometer. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1074
- 2005B0ZU RADIOACTIVITY ^{207,207m}Tl(β⁻); measured ground-state and isomer decay T_{1/2} of fully-stripped ion. Time-resolved Schottky mass spectrometry. REPT GSI 2005-1,P81,Boutin
- 2005B0ZV NUCLEAR REACTIONS ²⁰⁶Pb(n, X), (n, γ), E=0-600 keV; measured total and capture σ; deduced resonance parameters. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1539

A=207 (continued)

- 20050H08 RADIOACTIVITY $^{207}\text{Tl}(\beta^-)$ [from $\text{Be}(^{208}\text{Pb}, \text{X})$]; measured ratio of bound-state and continuum-state decay rates for β -decay of bare ions. Comparison with model predictions. JOUR PRLTA 95 052501
- 2005SHZU NUCLEAR REACTIONS ^{79}Br , ^{90}Zr , ^{197}Au , $^{207}\text{Pb}(\text{n}, \text{n}')$, $E=2.54, 3.1$ MeV; measured isomer activation σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P992
- 2005SMZZ NUCLEAR REACTIONS $^{204,206,207,208}\text{Pb}$, $^{205}\text{Tl}(\text{n}, \text{F})$, (p, F) , $E=30-180$ MeV; measured fission σ . ^{206}Tl , $^{205,206,207,208,209}\text{Pb}$, $^{205,207,208,209}\text{Bi}$; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P637
- 2005WA22 NUCLEAR MOMENTS ^{207}Pb ; measured hfs. Comparison with previous results and model predictions. JOUR PHSTB 72 200
- ^{207}Bi 2005SMZZ NUCLEAR REACTIONS $^{204,206,207,208}\text{Pb}$, $^{205}\text{Tl}(\text{n}, \text{F})$, (p, F) , $E=30-180$ MeV; measured fission σ . ^{206}Tl , $^{205,206,207,208,209}\text{Pb}$, $^{205,207,208,209}\text{Bi}$; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P637

A=208

- ^{208}Tl 2005SZ03 RADIOACTIVITY ^{212}Pb , $^{208}\text{Tl}(\beta^-)$; $^{212}\text{Bi}(\alpha)$, (β^-) ; measured $E\gamma$, $I\gamma$. Application to superheavy element identification discussed. JOUR JRNCD 265 367
- 2005VAZZ RADIOACTIVITY $^{208}\text{Tl}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{208}Pb deduced transition intensities. CONF St Petersburg, P320, Brudanin
- ^{208}Pb 2004PEZW NUCLEAR REACTIONS $^{208}\text{Pb}(^{70}\text{Ni}, ^{70}\text{Ni}')$, $(^{74}\text{Zn}, ^{74}\text{Zn}')$, $(^{76}\text{Ge}, ^{76}\text{Ge}')$, $E \approx 40$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{70}Ni , ^{74}Zn deduced transitions B(E2). REPT IPNO-T-05-02, Perru
- 2005HIZY NUCLEAR REACTIONS ^{12}C , ^{89}Y , $^{208}\text{Pb}(\text{n}, \text{n})$, $E=96$ MeV; measured σ , $\sigma(\theta)$. Comparison with model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P853
- 2005KAZZ NUCLEAR REACTIONS ^{197}Au , $^{208}\text{Pb}(^6\text{He}, ^6\text{He})$, $E=27$ MeV; measured $\sigma(\theta)$; deduced diffuseness parameters, long-range absorption mechanisms. Optical model. PREPRINT nucl-ex/0507024, 7/18/2005
- 2005SCZX NUCLEAR REACTIONS $^{208}\text{Pb}(^8\text{B}, \text{p}^7\text{Be})$, $E=254$ MeV / nucleon; measured fragment spectra, angular correlations. $^7\text{Be}(\text{p}, \gamma)$, $E=\text{low}$; deduced astrophysical S-factor. PREPRINT nucl-ex/0508014, 08/11/2005
- 2005SMZZ NUCLEAR REACTIONS $^{204,206,207,208}\text{Pb}$, $^{205}\text{Tl}(\text{n}, \text{F})$, (p, F) , $E=30-180$ MeV; measured fission σ . ^{206}Tl , $^{205,206,207,208,209}\text{Pb}$, $^{205,207,208,209}\text{Bi}$; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P637
- 2005SZ03 RADIOACTIVITY ^{212}Pb , $^{208}\text{Tl}(\beta^-)$; $^{212}\text{Bi}(\alpha)$, (β^-) ; measured $E\gamma$, $I\gamma$. Application to superheavy element identification discussed. JOUR JRNCD 265 367
- 2005VAZZ RADIOACTIVITY $^{208}\text{Tl}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{208}Pb deduced transition intensities. CONF St Petersburg, P320, Brudanin

A=208 (continued)

- 2005YA17 NUCLEAR REACTIONS $^{208}\text{Pb}(^7\text{Li}, ^7\text{Li}')$, E=150 MeV; measured particle spectra, $\sigma(E, \theta)$. ^{208}Pb deduced giant resonance features. JOUR JUPSA 74 2640
- ^{208}Bi 2005SMZZ NUCLEAR REACTIONS $^{204,206,207,208}\text{Pb}$, $^{205}\text{Tl}(n, F)$, (p, F) , E=30-180 MeV; measured fission σ . ^{206}Tl , $^{205,206,207,208,209}\text{Pb}$, $^{205,207,208,209}\text{Bi}$; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P637

A=209

- ^{209}Pb 2005SMZZ NUCLEAR REACTIONS $^{204,206,207,208}\text{Pb}$, $^{205}\text{Tl}(n, F)$, (p, F) , E=30-180 MeV; measured fission σ . ^{206}Tl , $^{205,206,207,208,209}\text{Pb}$, $^{205,207,208,209}\text{Bi}$; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P637
- ^{209}Bi 2005MIZY NUCLEAR REACTIONS $^{209}\text{Bi}(n, n'\gamma)$, E=threshold-18 MeV; measured γ -ray production σ . Comparison with previous results and model predictions. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P973
- 2005SMZZ NUCLEAR REACTIONS $^{204,206,207,208}\text{Pb}$, $^{205}\text{Tl}(n, F)$, (p, F) , E=30-180 MeV; measured fission σ . ^{206}Tl , $^{205,206,207,208,209}\text{Pb}$, $^{205,207,208,209}\text{Bi}$; deduced fissility. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P637
- ^{209}Rn 2005KUZV RADIOACTIVITY $^{213}\text{Ra}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, X)$]; measured $E\gamma$, $E\alpha$, $\alpha\gamma$ -coin. ^{209}Rn deduced levels, J, π , ICC. REPT GSI 2005-1,P76,Kuusiniemi

A=210

- ^{210}Bi 2005B027 NUCLEAR REACTIONS $^{209}\text{Bi}(n, \gamma)$, E=cold; measured $E\gamma$, $I\gamma$, capture σ . JOUR JRNC D 265 267
- 2005B0ZW NUCLEAR REACTIONS $^{209}\text{Bi}(n, \gamma)$, E=thermal; measured total capture σ , partial σ for capture to ground and isomeric states. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P648
- 2005D0ZY NUCLEAR REACTIONS ^{207}Pb , $^{209}\text{Bi}(n, \gamma)$, E=0-1 MeV; measured capture σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1521
- ^{210}Po 2005HEZX NUCLEAR REACTIONS $^{209}\text{Bi}(\alpha, 2n)$, $(\alpha, 3n)$, E \approx 20-39 MeV; $^{209}\text{Bi}(\alpha, X)^{210}\text{Po}$, E \approx 20-39 MeV; measured production σ ; deduced thick target yields. Activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P957
- ^{210}At 2005HEZX NUCLEAR REACTIONS $^{209}\text{Bi}(\alpha, 2n)$, $(\alpha, 3n)$, E \approx 20-39 MeV; $^{209}\text{Bi}(\alpha, X)^{210}\text{Po}$, E \approx 20-39 MeV; measured production σ ; deduced thick target yields. Activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P957

A=211

²¹¹At 2005HEZX NUCLEAR REACTIONS ²⁰⁹Bi(α , 2n), (α , 3n), E \approx 20-39 MeV; ²⁰⁹Bi(α , X)²¹⁰Po, E \approx 20-39 MeV; measured production σ ; deduced thick target yields. Activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P957

A=212

²¹²Pb 2005SZ03 RADIOACTIVITY ²¹²Pb, ²⁰⁸Tl(β^-); ²¹²Bi(α), (β^-); measured E γ , I γ . Application to superheavy element identification discussed. JOUR JRNCD 265 367

²¹²Bi 2005SZ03 RADIOACTIVITY ²¹²Pb, ²⁰⁸Tl(β^-); ²¹²Bi(α), (β^-); measured E γ , I γ . Application to superheavy element identification discussed. JOUR JRNCD 265 367

²¹²Po 2005SZ03 RADIOACTIVITY ²¹²Pb, ²⁰⁸Tl(β^-); ²¹²Bi(α), (β^-); measured E γ , I γ . Application to superheavy element identification discussed. JOUR JRNCD 265 367

A=213

²¹³Ra 2005KUZV RADIOACTIVITY ²¹³Ra(α) [from ¹⁷⁰Er(⁵⁰Ti, X)]; measured E γ , E α , $\alpha\gamma$ -coin. ²⁰⁹Rn deduced levels, J, π , ICC. REPT GSI 2005-1, P76, Kuusiniemi

A=214

No references found

A=215

No references found

A=216

No references found

A=217

No references found

A=218

No references found

A=219

No references found

A=220

- ²²⁰At 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov
- ²²⁰Rn 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=221

- ²²¹At 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov
- ²²¹Rn 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=222

- ²²²At 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov
- ²²²Rn 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=223

- ²²³Rn 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov
- ²²³Fr 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=223 (continued)

²²³Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=224

²²⁴Fr 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

²²⁴Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=225

²²⁵Fr 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

²²⁵Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=226

²²⁶Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=227

²²⁷Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

²²⁷Ac 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=228

²²⁸Th 2005PAZW NUCLEAR REACTIONS ²⁰⁷Pb(n, 2n), E < 20 MeV; ²³²Th(n, 5n), E=29-42 MeV; measured E γ , I γ . ²⁰⁷Pb(n, 2n), E=8-24 MeV; calculated σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc, Vol1, P876

A=229

²²⁹Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1, P79, Litvinov

²²⁹Ac 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1, P79, Litvinov

A=230

²³⁰Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1, P79, Litvinov

²³⁰Ac 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1, P79, Litvinov

²³⁰Th 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1, P79, Litvinov

A=231

²³¹Ra 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1, P79, Litvinov

²³¹Ac 2005LIZZ ATOMIC MASSES ²⁰⁵Tl, ^{220,221,222}At, ^{220,221,222,223}Rn, ^{223,224,225}Fr, ^{223,224,225,226,227,229,230,231}Ra, ^{227,229,230,231}Ac, ^{230,231}Th, ²³²U; measured masses. Schottky mass spectrometry, ²³⁸U fragmentation. REPT GSI 2005-1, P79, Litvinov

²³¹Th 2005GA36 RADIOACTIVITY ²³⁵U(α); measured E α , I α ; deduced emission probabilities. JOUR NIMAE 550 581

A=231 (continued)

2005LIZZ ATOMIC MASSES ^{205}Tl , $^{220,221,222}\text{At}$, $^{220,221,222,223}\text{Rn}$, $^{223,224,225}\text{Fr}$, $^{223,224,225,226,227,229,230,231}\text{Ra}$, $^{227,229,230,231}\text{Ac}$, $^{230,231}\text{Th}$, ^{232}U ; measured masses. Schottky mass spectrometry, ^{238}U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=232

^{232}U 2005LIZZ ATOMIC MASSES ^{205}Tl , $^{220,221,222}\text{At}$, $^{220,221,222,223}\text{Rn}$, $^{223,224,225}\text{Fr}$, $^{223,224,225,226,227,229,230,231}\text{Ra}$, $^{227,229,230,231}\text{Ac}$, $^{230,231}\text{Th}$, ^{232}U ; measured masses. Schottky mass spectrometry, ^{238}U fragmentation. REPT GSI 2005-1,P79,Litvinov

A=233

^{233}Th 2005AEZZ NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, $E=0-1$ MeV; measured capture σ ; deduced resonance parameters. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1470

2005MAZO NUCLEAR REACTIONS $^{232}\text{Th}(n, \gamma)$, $E=\text{thermal}$; measured capture σ . Activation technique. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1466

A=234

^{234}Th 2005CHZT NUCLEAR REACTIONS $^{233}\text{Th}(n, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$; deduced effective σ , resonance integral. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P664

A=235

^{235}U 2005GA36 RADIOACTIVITY $^{235}\text{U}(\alpha)$; measured $E\alpha$, $I\alpha$; deduced emission probabilities. JOUR NIMAE 550 581

A=236

^{236}Pu 2005QIZZ RADIOACTIVITY $^{240}\text{Cm}(\alpha)$ [from $^{232}\text{Th}(^{12}\text{C}, 4n)$]; measured $E\alpha$. REPT GSI 2005-1,P75,Qin

A=237

No references found

A=238

- ²³⁸Np 2005ADZZ NUCLEAR REACTIONS ¹²⁹I(n, 7n), (n, 6n), (n, 4n), (n, γ), E=fast; ²³⁷Np(n, γ), E=fast; measured yields. ²³⁷Np(n, F)⁹¹Sr / ⁹⁷Zr / ¹³²Te / ¹³³I / ¹³⁵I, E=fast; ²³⁸Pu(n, F)⁹⁷Zr / ¹²⁹Sb / ¹³²I / ¹³³I / ¹³⁵Xe / ¹⁰⁵Ru, E=fast; ²³⁹Pu(n, F)⁸⁸Kr / ⁹¹Sr / ⁹²Sr / ⁹²Y / ⁹⁷Zr / ⁹⁹Mo / ¹⁰³Ru / ¹⁰⁵Ru / ¹²⁸Sb / ¹²⁹Sb / ¹³²Te / ¹³¹I / ¹³²I / ¹³³I / ¹³⁵I / ¹³⁵Xe / ¹⁴³Ce / ¹⁴⁰Ba / ¹⁴⁰La, E=fast; measured fission fragment yields. Secondary neutrons from proton irradiation. JINR nuclotron. CONF St Petersburg,P195,Adam
- 2005ESZZ NUCLEAR REACTIONS ²³⁷Np(n, γ), E=0.02-100 eV; measured σ . Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P989
- 2005SHZT NUCLEAR REACTIONS ²³⁷Np(n, γ), E=0.02-100 eV; measured capture σ ; deduced resonance integral. Comparisons with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P1007

A=239

No references found

A=240

- ²⁴⁰U 2005IS07 NUCLEAR REACTIONS ²³⁸U(¹⁸O, ¹⁶O), E=200 MeV; measured E γ , I γ , (particle) γ -coin, γ -ray anisotropy. ²⁴⁰U deduced levels, J, π , rotational bands, octupole correlations. JOUR PRVCA 72 021301
- ²⁴⁰Pu 2005GRZY NUCLEAR REACTIONS ²³⁵U, ²³⁹Pu(n, γ), (n, F), E=2-2150 eV; measured γ -ray multiplicities; deduced σ ratio, Doppler effect. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P928
- ²⁴⁰Cm 2005QIZZ RADIOACTIVITY ²⁴⁰Cm(α) [from ²³²Th(¹²C, 4n)]; measured E α . REPT GSI 2005-1,P75,Qin

A=241

- ²⁴¹Pu 2005CAZX NUCLEAR REACTIONS ²³⁷Np, ²⁴⁰Pu(n, γ), E=0-300 keV; measured capture σ . CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol2,P1442

A=242

- ²⁴²Am 2005OHZY NUCLEAR REACTIONS ²⁴¹Am(n, γ), E=fast; measured isomer production ratio. ²³⁷Np, ^{241,243}Am, ²⁴⁴Cm(n, X), E=fast; measured residual isotopes yield ratios following reactor irradiation. Comparison with previous results. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P472

A=243

No references found

A=244

²⁴⁴Cm 2005VOZX RADIOACTIVITY ²⁵²Cf, ^{244,248}Cm(SF); measured fission fragment mass distributions and kinetic energy spectra, prompt neutron multiplicity distributions vs fragment mass; deduced fission mechanism features. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P613

A=245

No references found

A=246

No references found

A=247

²⁴⁷Fm 2005SUZX RADIOACTIVITY ²⁵⁵Rf, ²⁵¹No(α) [from ²⁰⁷Pb(⁵⁰Ti, 2n) and ²⁰⁶Pb(⁴⁸Ca, 2n)]; measured E γ , $\alpha\gamma$ -coin. ²⁵¹No deduced isomeric state. REPT GSI 2005-1,P74,Sulignano

A=248

²⁴⁸Cm 2005GA25 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ ; deduced ^{138,139,140,141,142}Xe fission fragment yields. JOUR FECLA 125 44

2005UR02 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin, angular correlations. ¹⁰⁷Mo deduced high-spin levels, J, π , configurations. Eurogam2 array. JOUR PRVCA 72 027302

2005VOZX RADIOACTIVITY ²⁵²Cf, ^{244,248}Cm(SF); measured fission fragment mass distributions and kinetic energy spectra, prompt neutron multiplicity distributions vs fragment mass; deduced fission mechanism features. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P613

²⁴⁸Fm 2005NIZW NUCLEAR REACTIONS ²³⁸U(¹⁶O, 4n), (¹⁶O, 5n), (¹⁶O, 6n), E(cm) \approx 70-100 MeV; measured evaporation residue σ ; deduced fusion probability. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P977

A=249

²⁴⁹Fm 2005NIZW NUCLEAR REACTIONS ²³⁸U(¹⁶O, 4n), (¹⁶O, 5n), (¹⁶O, 6n), E(cm) ≈ 70-100 MeV; measured evaporation residue σ ; deduced fusion probability. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P977

A=250

²⁵⁰Fm 2005NIZW NUCLEAR REACTIONS ²³⁸U(¹⁶O, 4n), (¹⁶O, 5n), (¹⁶O, 6n), E(cm) ≈ 70-100 MeV; measured evaporation residue σ ; deduced fusion probability. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P977

A=251

²⁵¹Fm 2005HEZU RADIOACTIVITY ²⁵⁵No(α) [from ²⁰⁸Pb(⁴⁸Ca, n) and ²⁰⁹Bi(⁴⁸Ca, 2n)]; measured E α , E γ , $\alpha\gamma$ -coin. ²⁵¹Fm deduced levels, configurations. REPT GSI 2005-1,P73,Hessberger

²⁵¹No 2005SUZX RADIOACTIVITY ²⁵⁵Rf, ²⁵¹No(α) [from ²⁰⁷Pb(⁵⁰Ti, 2n) and ²⁰⁶Pb(⁴⁸Ca, 2n)]; measured E γ , $\alpha\gamma$ -coin. ²⁵¹No deduced isomeric state. REPT GSI 2005-1,P74,Sulignano

A=252

²⁵²Cf 2005F009 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{113,115,117}Pd deduced levels, J, π . Gammasphere array. JOUR PRVCA 72 014315

2005HAZQ RADIOACTIVITY ²⁵²Cf(SF); measured neutron spectra, fission fragment mass distribution. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P644

2005SIZY RADIOACTIVITY ²⁵²Cf(SF); measured neutron leakage spectrum from uranium sphere. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P67

2005V0ZX RADIOACTIVITY ²⁵²Cf, ^{244,248}Cm(SF); measured fission fragment mass distributions and kinetic energy spectra, prompt neutron multiplicity distributions vs fragment mass; deduced fission mechanism features. CONF Santa Fe (Nucl Data for Sci and Technol) Proc,Vol1,P613

A=253

²⁵³Fm 2005AS05 RADIOACTIVITY ²⁵⁷No(α) [from ²⁴⁸Cm(¹³C, 4n)]; measured E γ , E α , E(ce), $\alpha\gamma$ -, (ce) α -coin; deduced branching ratios. ²⁵³Fm deduced levels, J, π , ICC, configurations. ²⁵⁷No deduced ground-state J, π , configuration. JOUR PRLTA 95 102502

A=253 (continued)

²⁵³No 2005RE14 NUCLEAR REACTIONS ²⁰⁷Pb(⁴⁸Ca, 2n), E=219 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ²⁵³No deduced high-spin levels, J, π , configurations. Gammasphere array, fragment separator. JOUR PRLTA 95 032501

A=254

No references found

A=255

²⁵⁵No 2005HEZU RADIOACTIVITY ²⁵⁵No(α) [from ²⁰⁸Pb(⁴⁸Ca, n) and ²⁰⁹Bi(⁴⁸Ca, 2n)]; measured E α , E γ , $\alpha\gamma$ -coin. ²⁵¹Fm deduced levels, configurations. REPT GSI 2005-1,P73,Hessberger

²⁵⁵Rf 2005SUZX RADIOACTIVITY ²⁵⁵Rf, ²⁵¹No(α) [from ²⁰⁷Pb(⁵⁰Ti, 2n) and ²⁰⁶Pb(⁴⁸Ca, 2n)]; measured E γ , $\alpha\gamma$ -coin. ²⁵¹No deduced isomeric state. REPT GSI 2005-1,P74,Sulignano

A=256

No references found

A=257

²⁵⁷No 2005AS05 RADIOACTIVITY ²⁵⁷No(α) [from ²⁴⁸Cm(¹³C, 4n)]; measured E γ , E α , E(ce), $\alpha\gamma$ -, (ce) α -coin; deduced branching ratios. ²⁵³Fm deduced levels, J, π , ICC, configurations. ²⁵⁷No deduced ground-state J, π , configuration. JOUR PRLTA 95 102502

2005MOZT RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg, ²⁶¹Rf(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured E α , T_{1/2}. REPT RIKEN 2004 Annual,P69,Morita

A=258

No references found

A=259

No references found

A=260

No references found

A=261

²⁶¹Rf 2005MOZT RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg, ²⁶¹Rf(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P69,Morita

A=262

²⁶²Db 2005MOZS RADIOACTIVITY ²⁷⁸113, ²⁷⁴Rg, ²⁷⁰Mt, ²⁶⁶Bh(α) [from ²⁰⁹Bi(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P70,Morita

A=263

No references found

A=264

No references found

A=265

²⁶⁵Sg 2005MOZT RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg, ²⁶¹Rf(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P69,Morita

A=266

²⁶⁶Bh 2005MOZS RADIOACTIVITY ²⁷⁸113, ²⁷⁴Rg, ²⁷⁰Mt, ²⁶⁶Bh(α) [from ²⁰⁹Bi(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P70,Morita

A=267

No references found

A=268

No references found

A=269

²⁶⁹Hs 2005MOZT RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg, ²⁶¹Rf(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P69,Morita

A=270

²⁷⁰Mt 2005MOZS RADIOACTIVITY ²⁷⁸113, ²⁷⁴Rg, ²⁷⁰Mt, ²⁶⁶Bh(α) [from ²⁰⁹Bi(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P70,Morita

A=271

No references found

A=272

No references found

A=273

²⁷³Ds 2005MOZT RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg, ²⁶¹Rf(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P69,Morita

A=274

²⁷⁴Rg 2005MOZS RADIOACTIVITY ²⁷⁸113, ²⁷⁴Rg, ²⁷⁰Mt, ²⁶⁶Bh(α) [from ²⁰⁹Bi(⁷⁰Zn, n) and subsequent decay]; measured $E\alpha$, $T_{1/2}$. REPT RIKEN 2004 Annual,P70,Morita

A=275

No references found

A=276

No references found

A=277

- ²⁷⁷112 2005MOZT NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁰Zn, n), E=349.5 MeV; measured delayed $\alpha\alpha$ -coin; deduced production σ . REPT RIKEN 2004 Annual,P69,Morita
- 2005MOZT RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg, ²⁶¹Rf(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured E α , T_{1/2}. REPT RIKEN 2004 Annual,P69,Morita

A=278

- ²⁷⁸113 2005MOZS NUCLEAR REACTIONS ²⁰⁹Bi(⁷⁰Zn, n), E=349.0 MeV; measured delayed $\alpha\alpha$ -coin; deduced production σ . REPT RIKEN 2004 Annual,P70,Morita
- 2005MOZS RADIOACTIVITY ²⁷⁸113, ²⁷⁴Rg, ²⁷⁰Mt, ²⁶⁶Bh(α) [from ²⁰⁹Bi(⁷⁰Zn, n) and subsequent decay]; measured E α , T_{1/2}. REPT RIKEN 2004 Annual,P70,Morita

A=279

No references found

A=280

No references found

A=281

No references found

A=282

No references found

A=283

- ²⁸³112 2005GR19 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), E=230.3, 235.6 MeV; measured σ upper limits; deduced no evidence for ²⁸³112. Comparison with previous results. JOUR PRVCA 72 014605

References

- 2003MOZP C.B.Moon, G.D.Dracoulis, R.A.Bark, A.P.Byrne, P.M.Davidson, A.N.Wilson, A.M.Baxter, T.Kibedi, G.J.Lane, J.C.Hazel, A.M.Bruce, N.Orce Gonzalez, F.Prados-Estevez, H.El-Masri, C.Wheldon, P.M.Walker, R.Wood - Australian National Univ., Dept. of Nuclear Physics 2002 Ann.Rept., p.17 (2003); ANU-P/1564 (2003)
Quasi-collective bands in ^{126}I
- 2003MOZQ C.B.Moon, G.D.Dracoulis, R.A.Bark, A.P.Byrne, P.M.Davidson, A.N.Wilson, T.Kibedi, G.J.Lane, A.M.Baxter - Australian National Univ., Dept. of Nuclear Physics 2002 Ann.Rept., p.15 (2003); ANU-P/1564 (2003)
Collective bands in ^{124}I
- 2003MOZR C.B.Moon, G.D.Dracoulis, R.A.Bark, A.P.Byrne, P.M.Davidson, A.N.Wilson, T.Kibedi, G.J.Lane, A.M.Baxter - Australian National Univ., Dept. of Nuclear Physics 2002 Ann.Rept., p.13 (2003); ANU-P/1564 (2003)
The $\pi_{h_{11/12}}(x) \nu_{h_{11/2}}$ band in the odd-odd nuclide ^{122}I
- 2003MOZS C.B.Moon, G.D.Dracoulis, R.A.Bark, A.P.Byrne, P.M.Davidson, A.N.Wilson, T.Kibedi, G.J.Lane - Australian National Univ., Dept. of Nuclear Physics 2002 Ann.Rept., p.11 (2003); ANU-P/1564 (2003)
Candidates for Chiral Bands in ^{120}I
- 2003WIZU A.N.Wilson, R.A.Bark, P.M.Davidson - Australian National Univ., Dept. of Nuclear Physics 2002 Ann.Rept., p.18 (2003); ANU-P/1564 (2003)
High-spin study of ^{127}Ce
- 2004BRZV V.B.Brudanin, N.I.Rukhadze, Sh.Brianson, P.Benesh, T.Vylov, N.Gusev, V.Egorov, A.A.Klimenko, V.E.Kovalenko, N.A.Korolev, A.V.Salamatin, V.V.Timkin, P.Cermak, M.V.Shirchenko, Yu.A.Shitov, I.Stekl - JINR-P6-2004-219 (2004)
Searching of Double Electron Capture in the TGV Experiment
- 2004MOZT C.B.Moon - Priv.Comm. (2004)
- 2004PEZW O.Perru - IPNO-T-05-02 (2004)
Etude des fermetures de couches N=40 et N=50 dans les noyaux riches en neutrons
- 2005AB22 U.Abbondanno, for the n.TOF Collaboration - Nucl.Phys. A758, 501c (2005)
Neutron capture cross section measurements for nuclear astrophysics at CERN n.TOF
- 2005AC22 P.Achenbach, for the A1 Collaboration - Eur.Phys.J. A 25, 177 (2005)
Measurement of the Asymmetries in $^3(\text{He}(\text{pol}))(\text{e}(\text{pol}), \text{e}'\text{p})\text{d}$ and $^3(\text{He}(\text{pol}))(\text{e}(\text{pol}), \text{e}'\text{p})\text{np}$

REFERENCES

- 2005AD29 P.Adrich, A.Klimkiewicz, M.Fallot, K.Boretzky, T.Aumann, D.Cortina-Gil, U.Datta Pramanik, Th.W.Elze, H.Emling, H.Geissel, M.Hellstrom, K.L.Jones, J.V.Kratz, R.Kulesa, Y.Leifels, C.Nociforo, R.Palit, H.Simon, G.Surowka, K.Summerer, W.Walus, and the LAND-FRS Collaboration - Phys.Rev.Lett. 95, 132501 (2005)
Evidence for Pygmy and Giant Dipole Resonances in ^{130}Sn and ^{132}Sn
- 2005ADZV E.G.Adelberger, O.D.Biesel, A.Garcia, H.E.Swanson, S.Triambak - Univ. Washington Nucl.Phys.Lab., Ann.Rept., 2005, p.59 (2005)
Resonance energies in $^{32}\text{S}(p, \gamma)$ and calibration of ^{33}Ar beta-delayed spectrum
- 2005ADZW E.G.Adelberger, A.Garcia, S.A.Hoedl, S.K.L.Sjue, A.L.Sallaska, S.Triambak - Univ. Washington Nucl.Phys.Lab., Ann.Rept., 2005, p.58 (2005)
Mass determination of the lowest $T = 2$ state in ^{32}S using the $^{31}\text{P}(p, \gamma)$ reaction
- 2005ADZX P.Adrich, T.Aumann, K.Boretzky, D.Cortina-Gil, U.Datta Pramanik, Th.W.Elze, H.Emling, M.Fallot, H.Geissel, M.Hellstrom, K.L.Jones, A.Klimkiewicz, J.V.Kratz, R.Kulesa, Y.Leifels, C.Nociforo, R.Palit, H.Simon, G.Surowka, K.Summerer, W.Walus - GSI 2005-1, p.94 (2005)
Pygmy and Giant Dipole Resonances in $^{130-132}\text{Sn}$
- 2005ADZZ J.Adam, A.Balabekyan, R.Brandt, P.Caloun, D.Chultem, V.G.Kalinnikov, K.Katovsky, M.I.Krivopustov, A.Kugler, R.Odoj, A.V.Pavlyuk, V.S.Pronskikh, A.A.Solnyshkin, V.I.Stegailov, S.G.Stetsenko, V.M.Tsoupko-Sitnikov, V.Wagner, W.Westmeier - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.195 (2005)
Yields of Product Nuclei in Radioactive ^{129}I , ^{237}Np , ^{238}Pu and ^{239}Pu Samples Exposed to the Secondary Neutrons of the U / Pb-Assembly of the Setup "Energy Plus Transmutation" Irradiated by 1 GeV Protons from Nuclotron (JINR, Dubna)
- 2005AEZZ G.Aerts, for the n_TOF Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1470 (2005); AIP Conf.Proc. 769 (2005)
Measurement of the ^{232}Th Neutron Capture Cross Section at the CERN n_TOF Facility
- 2005AG09 M.Agnello, G.Beer, L.Benussi, M.Bertani, S.Bianco, E.Botta, T.Bressani, L.Busso, D.Calvo, P.Camerini, P.Cerello, B.Dalena, F.De Mori, G.D'Erasmo, D.Di Santo, F.L.Fabbri, D.Faso, A.Feliciello, A.Filippi, V.Filippini, E.M.Fiore, H.Fujioka, P.Gianotti, N.Grion, A.Krasnoperov, V.Lucherini, S.Marcello, T.Maruta, N.Mirfakhrai, O.Morra, A.Olin, E.Pace, M.Palomba, A.Pantaleo, A.Panzarasa, V.Paticchio, S.Piano, F.Pompili, R.Rui, G.Simonetti, H.So, S.Tomassini, R.Wheadon, A.Zenoni - Nucl.Phys. A754, 399c (2005)
First results from the FINUDA experiment at DAΦNE
- 2005AG11 M.Agnello, and the FINUDA Collaboration - Phys.Lett. B 622, 35 (2005)
First results on ^{12}C production at DAΦNE
- 2005AH05 J.Ahrens, and the GDH and A2 Collaborations - Phys.Lett. B 624, 173 (2005)
Intermediate resonance excitation in the $\gamma p \rightarrow p\pi^0\pi^0$ reaction

REFERENCES

- 2005AK09 A.Aktas, and the H1 Collaboration - Eur.Phys.J. C 44, 1 (2005)
Measurement of deeply virtual Compton scattering at HERA
- 2005ALZX A.Alimeti, G.H.R.Kegel, J.J.Egan, D.J.DeSimone, T.M.McKittrick, C.Ji,
S.E.Tremblay, C.Roldan, X.Chen, D.S.Kim - Proc.Intern.Conf.Nuclear Data for
Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004,
R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1054 (2005); AIP
Conf.Proc. 769 (2005)
Neutron Scattering Cross Section Measurements for ^{169}Tm via the (n, n') Technique
- 2005ALZY I.E.Alekseev, V.V.Lazarev - Book of Abstracts, LV National Conference on Nuclear
Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.181 (2005)
The Yields of ^{186}Re in Reaction $^{186}\text{W}(d, 2n)$
- 2005ALZZ R.A.Aliev, A.N.Ermakov, B.S.Ishkhanov, I.M.Kapitonov, I.G.Konyukhov, K.Kyaw,
I.V.Makarenko, T.N.Mineeva, K.A.Stopani - Book of Abstracts, LV National
Conference on Nuclear Physics "Frontiers in the Physics of Nucleus",
St.-Petersburg, p.56 (2005)
Excitation of 135.5 keV Isomeric Level of ^{92}Nb Nucleus in Photonuclear Reactions
- 2005AN15 A.Antusek, K.Jackowski, M.Jaszunski, W.Makulski, M.Wilczek - Chem.Phys.Lett.
411, 111 (2005)
Nuclear magnetic dipole moments from NMR spectra
- 2005AN17 A.N.Andreyev, D.Ackermann, S.Antalic, I.G.Darby, S.Franchoo, F.P.Hessberger,
S.Hofmann, M.Huyse, P.Kuusiniemi, B.Lommel, B.Kindler, R.Mann,
G.Munzenberg, R.D.Page, S.Saro, B.Sulignano, B.Streicher, K.Van de Vel, P.Van
Duppen, D.R.Wiseman - Phys.Rev. C 72, 014612 (2005)
Cross section systematics for the lightest Bi and Po nuclei produced in complete
fusion reactions with heavy ions
- 2005AN23 C.Angulo, E.Casarejos, A.Coc, T.Davinson, N.Achouri, D.Cortina-Gil, M.Couder,
P.Figuera, B.Fulton, J.Kiener, P.Leleux, I.Mukha, A.S.Murphy, A.Ninane, N.Orr,
V.Tatischeff, F.Vanderbist - Nucl.Phys. A758, 775c (2005)
Study of $^7\text{Be}+d$ reactions for Standard Big Bang Nucleosynthesis
- 2005ANZY A.N.Andreyev, S.Antalic, D.Ackermann, S.Franchoo, F.P.Hessberger, S.Hofmann,
M.Huyse, I.Kojouharov, B.Kindler, P.Kuusiniemi, S.R.Lesher, B.Lommel, R.Mann,
G.Munzenberg, K.Nishio, R.D.Page, J.Ressler, B.Streicher, B.Sulignano, P.Van
Duppen, D.Wiseman - GSI 2005-1, p.77 (2005)
New isotopes $^{186,187}\text{Po}$ and ^{192}At
- 2005AR21 D.S.Armstrong, and the G0 Collaboration - Phys.Rev.Lett. 95, 092001 (2005)
Strange-Quark Contributions to Parity-Violating Asymmetries in the Forward G0
Electron-Proton scattering Experiment

REFERENCES

- 2005AS04 N.I.Ashwood, M.Freer, D.J.Millener, N.A.Orr, F.Carstoiu, S.Ahmed, J.C.Angelique, V.Bouchat, W.N.Catford, N.M.Clark, N.Curtis, F.Hanappe, M.Horoi, Y.Kerckx, J.L.Lecouey, F.M.Marques, T.Materna, G.Normand, S.Pain, N.Soic, C.Timis, A.Unshakova, V.A.Ziman - Phys.Rev. C 72, 024314 (2005)
High-energy two-neutron removal from ^{10}Be
- 2005AS05 M.Asai, K.Tsukada, M.Sakama, S.Ichikawa, T.Ishii, Y.Nagame, I.Nishinaka, K.Akiyama, A.Osa, Y.Oura, K.Sueki, M.Shibata - Phys.Rev.Lett. 95, 102502 (2005)
Experimental Identification of Spin-Parities and Single-Particle Configurations in ^{257}No and Its α -Decay Daughter ^{253}Fm
- 2005BA58 S.Baunack, for the A4 Collaboration - Nucl.Phys. A755, 249c (2005)
Single Spin Asymmetries from the Mainz A4 Experiment
- 2005BA60 A.M.Bakalyarov, A.Ya.Balysh, S.T.Belyaev, V.I.Lebedev, S.V.Zhukov - Part. and Nucl., Lett. 125, 21 (2005)
Results of the Experiment on Investigation of ^{76}Ge Double Beta Decay
- 2005BA64 A.E.Barzakh, D.V.Fedorov, A.M.Ionan, V.S.Ivanov, F.V.Moroz, K.A.Mezilev, S.Yu.Orlov, V.N.Panteleev, Yu.M.Volkov - Phys.Rev. C 72, 017301 (2005)
Laser spectroscopic studies of ^{145}Gd , $^{145}\text{Gd}^m$, and $^{143}\text{Gd}^m$
- 2005BA82 D.W.Bardayan, J.C.Blackmon, J.Gomez del Campo, R.L.Kozub, J.F.Liang, Z.Ma, L.Sahin, D.Shapira, M.S.Smith - Nucl.Phys. A758, 737c (2005)
New ^{19}Ne Level Observed with a Thick Target $^{18}\text{F}(p, p)^{18}\text{F}$ Measurement
- 2005BAZP H.Baba, S.Shimoura, T.Minemura, Y.U.Matsuyama, A.Saito, H.Akiyoshi, N.Aoi, T.Gomi, Y.Higurashi, K.Ieki, N.Imai, N.Iwasa, H.Iwasaki, S.Kanno, S.Kubono, M.Kunibu, S.Michimasa, T.Motobayashi, T.Nakamura, H.Sakurai, M.Serata, E.Takeshita, S.Takeuchi, T.Teranishi, K.Ue, K.Yamada, Y.Yanagisawa - CNS-REP-66, p.28 (2005)
Isoscalar E0 and E1 Responses in ^{14}O
- 2005BAZQ H.Baba, S.Shimoura, T.Minemura, Y.U.Matsuyama, A.Saito, H.Akiyoshi, N.Aoi, T.Gomi, Y.Higurashi, K.Ieki, N.Imai, N.Iwasa, H.Iwasaki, S.Kanno, S.Kubono, M.Kunibu, S.Michimasa, T.Motobayashi, T.Nakamura, H.Sakurai, M.Serata, E.Takeshita, S.Takeuchi, T.Teranishi, K.Ue, K.Yamada, Y.Yanagisawa - RIKEN Accelerator Progress Report 2004, p.48 (2005)
Isoscalar electric multipole strength in ^{14}O
- 2005BAZR C.M.Baglin, E.B.Norman, R.Larimer, G.A.Rech - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1370 (2005); AIP Conf.Proc. 769 (2005)
Measurement of $^{107}\text{Ag}(\alpha, \gamma)^{111}\text{In}$ Cross Sections
- 2005BAZS M.S.Basunia, E.B.Norman, H.A.Shugart, A.R.Smith, M.J.Dolinski, B.J.Quiter - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1366 (2005); AIP Conf.Proc. 769 (2005)

REFERENCES

- Measurement of Cross Sections for the $^{63}\text{Cu}(\alpha, \gamma)^{67}\text{Ga}$ Reaction from 5.9-8.7 MeV
- 2005BAZU M.Baba - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 884 (2005); AIP Conf.Proc. 769 (2005)
Experimental Studies on Particle and Radionuclide Production Cross Sections for Tens of MeV Neutrons and Protons
- 2005BAZV F.B.Bateman, S.I.Al-Quraishi, C.E.Brient, N.Boukharouba, A.D.Carlson, D.E.Carter, S.M.Grimes, R.C.Haight, T.N.Massey, R.T.Wheeler -
Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 834 (2005); AIP Conf.Proc. 769 (2005)
Measurement of the H(n, n)H Elastic Scattering Angular Distribution at $E_n = 15$ MeV
- 2005BE43 A.C.Betker, S.Chang, E.J.Stephenson, A.D.Bacher, S.M.Bowyer, W.A.Franklin, J.Liu, C.Olmer, D.L.Prout, S.P.Wells, S.W.Wissink, C.Yu, R.A.Lindgren, H.Baghaei, V.Gladyshev, J.A.Carr, S.K.Yoon, F.Petrovich, B.L.Clausen, J.Lisantti -
Phys.Rev. C 71, 064607 (2005)
Reaction mechanism for natural parity (p, p') transitions in ^{10}B
- 2005BEZT T.Belgya, P.Mutti, H.G.Borner, M.Jentschel, G.L.Molnar -
Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1074 (2005); AIP Conf.Proc. 769 (2005)
Accurate Wavelength Measurement of High-Energy Gamma Rays from the $^{35}\text{Cl}(n, \gamma)$ Reactions
- 2005BEZU L.A.Bernstein, J.T.Burke, J.A.Church, L.Ahle, J.R.Cooper, R.D.Hoffman, J.Punyon, A.Schiller, E.Algin, C.Plettner, H.Ai, C.W.Beausang, R.F.Casten, R.Hughes, E.Ricard-McCutchan, D.Meyer, J.J.Ressler, J.A.Caggiano, N.V.Zamfir, H.Amro, A.Heinz, P.Fallon, M.A.McMahan, A.O.Macchiavelli, L.W.Phair -
Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 890 (2005); AIP Conf.Proc. 769 (2005)
Surrogate Nuclear Reactions using STARS
- 2005BEZV T.Belgya, G.L.Molnar, Zs.Revay, J.L.Weil - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 744 (2005); AIP Conf.Proc. 769 (2005)
Determination of Thermal Neutron Capture Cross Sections using Cold Neutron Beams
- 2005BEZW O.A.Bezshyyko, I.M.Kadenko, V.M.Mazur, V.A.Plujko, N.V.Strilchuk, I.M.Vishnevsky, R.V.Yermolenko, V.A.Zheltonozhsky - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 641 (2005); AIP Conf.Proc. 769 (2005)

REFERENCES

Mean Angular Momenta of Primary Photofission Products

- 2005BIZY Z.M.Bigán, V.I.Kirischuk, V.M.Mazur, D.M.Simochko, V.A.Zheltonozhsky - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.215 (2005)
Excitation of ^{113m}In , ^{195m}Pt and ^{199m}Hg Isomers in the Reactions of Inelastic Gamma Scattering
- 2005BIZZ Z.M.Bigán, V.A.Zheltonozhsky, V.M.Mazur, D.M.Simochko - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.214 (2005)
Cross-Sections of (γ, n) Reaction on ^{81}Br and ^{121}Sb Nuclei
- 2005B022 J.-L.Boyard, W.Augustyniak, R.Dahl, M.Drews, C.Ellegaard, L.Farhi, C.Gaarde, T.Hennino, J.A.Jensen, J.-C.Jourdain, M.Kagarlis, R.Kunne, J.S.Larsen, P.Radvanyi, B.Ramstein, M.Roy-Stephan, P.Zupranski - Nucl.Phys. A755, 507c (2005)
Coherent pion production in heavy ion charge exchange reactions
- 2005B027 A.Borella, A.Moens, P.Schillebeeckx, R.Van Bijlen, G.L.Molnar, T.Belgya, Zs.Revay, L.Szentmiklosi - J.Radioanal.Nucl.Chem. 265, 267 (2005)
Determination of the $^{209}\text{Bi}(n, \gamma)$ capture cross section at a cold neutron beam
- 2005B035 K.Bodek, G.Ban, M.Beck, A.Bialek, T.Brys, A.Czarnecki, W.Fetscher, P.Gorel, K.Kirch, St.Kistryn, A.Kozela, M.Kuzniak, A.Lindroth, O.Naviliat-Cuncic, J.Pulut, A.Serebrov, N.Severijns, E.Stephan, J.Zejma - J.Res.Natl.Inst.Stand.Technol. 110, 461 (2005)
Search for Time Reversal Violating Effects: R-Correlation Measurement in Neutron Decay
- 2005B036 P.Boutachkov, G.V.Rogachev, V.Z.Goldberg, A.Aprahamian, F.D.Becchetti, J.P.Bychowski, Y.Chen, G.Chubarian, P.A.DeYoung, J.J.Kolata, L.O.Lamm, G.F.Peaslee, M.Quinn, B.B.Skorodumov, A.Wohr - Phys.Rev.Lett. 95, 132502 (2005)
Doppler Shift as a Tool for Studies of Isobaric Analog States of Neutron-Rich Nuclei: Application to ^7He
- 2005B0ZU D.Boutin, Yu.A.Litvinov, C.Scheidenberger, K.Beckert, P.Beller, F.Bosch, T.Faestermann, B.Franczak, B.Franzke, H.Geissel, E.Kaza, A.Kelic, P.Kienle, O.Klepper, C.Kozhuharov, L.Maier, M.Matos, G.Munzenberg, F.Nolden, Yu.N.Novikov, T.Ohtsubo, W.Plass, M.Portillo, K.-H.Schmidt, J.Stadlmann, M.Steck, H.Weick, M.Winkler, T.Yamaguchi - GSI 2005-1, p.81 (2005)
Study of production and decay of long-lived isomeric states using time-resolved Schottky Mass Spectrometry
- 2005B0ZV A.Borella, A.Brusegan, M.C.Moxon, G.Aerts, F.Gunsing, P.Siegler, P.Schillebeeckx - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1539 (2005); AIP Conf.Proc. 769 (2005)
High-Resolution Neutron Total and Capture Cross-Section Measurements on ^{206}Pb

REFERENCES

- 2005B0ZW A.Borella, P.Schillebeeckx, G.Molnar, T.Belgya, Zs.Revay, L.Szentmiklosi, E.Berthoumieux, F.Gunsing, A.Letourneau, F.Marie - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 648 (2005); AIP Conf.Proc. 769 (2005)
The $^{209}\text{Bi}(n_{th}, \gamma)^{210}\text{Bi}$ and $^{209}\text{Bi}(n_{th}, \gamma)^{210m,g}\text{Bi}$ Cross Sections Determined at the Budapest Neutron Centre
- 2005BRZU F.Bringas, M.T.Yamashita, I.D.Goldman, P.R.Pascholati, V.Scianni - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1374 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Proton-Induced Reaction Cross Sections in Ti, Ni and Zr near the Threshold
- 2005BRZV A.Brusegan, E.Berthoumieux, A.Borella, F.Gunsing, M.Moxon, P.Siegler, P.Schillebeeckx - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 953 (2005); AIP Conf.Proc. 769 (2005)
Neutron Capture and Transmission Measurements on ^{103}Rh Down to Thermal Energies
- 2005BRZX V.B.Brudanin, N.I.Rukhadze, V.G.Egorov, Ch.Briancon, P.Benes, P.Cermak, K.N.Gusev, F.A.Danevich, A.A.Klimenko, V.E.Kovalenko, A.Kovalik, A.V.Salamatin, I.Stekl, V.V.Timkin, V.I.Tretyak, Ts.Vylov - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.299 (2005)
Search for Double Electron Capture of ^{106}Cd in the Experiment TGV-2
- 2005BU29 A.Burger, and the RISING Collaboration - Phys.Lett. B 622, 29 (2005)
Relativistic Coulomb excitation of neutron-rich $^{54,56,58}\text{Cr}$: On the pathway of magicity from $N = 40$ to $N = 32$
- 2005BU33 N.Burtebaev, M.K.Baktybaev, B.A.Duisebaev, R.J.Peterson, S.B.Sakuta - Yad.Fiz. 68, 1356 (2005); Phys.Atomic Nuclei 68, 1303 (2005)
Scattering of α Particles on ^{11}B Nuclei at Energies 40 and 50 MeV
- 2005BY03 J.Byrne - J.Res.Natl.Inst.Stand.Technol. 110, 395 (2005)
Determination of the Electron-Antineutrino Angular Correlation Coefficient a_0 in Unpolarized Neutron β -Decay
- 2005BY04 J.Byrne, R.U.Khafizov, Yu A.Mostovoi, O.Rozhnov, V.A.Solovei, M.Beck, V.U.Kozlov, N.Severijns - J.Res.Natl.Inst.Stand.Technol. 110, 415 (2005)
Search for Radiative β -Decay of the Free Neutron
- 2005CA29 R.F.Carlson, A.Ingemarsson, M.Lantz, G.J.Arendse, A.Auce, A.J.Cox, S.V.Fortsch, N.M.Jacobs, R.Johansson, J.Nyberg, J.Peavy, P.-U.Renberg, O.Sundberg, J.A.Stander, G.F.Steyn, G.Tibell, R.Zorro - Nucl.Instrum.Methods Phys.Res. A547, 541 (2005)

REFERENCES

- A method for measuring light ion reaction cross-sections
- 2005CAZW C.M.Cattadori, M.De Deo, M.Laubenstein, L.Pandola, V.I.Tretyak - nucl-ex/0509020,9/15/2005 (2005)
Beta decay of ^{115}In to the first excited level of ^{115}Sn : Potential outcome for neutrino mass
- 2005CAZX D.Cano-Ott, and the n_TOF Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1442 (2005); AIP Conf.Proc. 769 (2005)
Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation
- 2005CAZY M.P.Carpenter, F.G.Kondev, R.V.F.Janssens - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 894 (2005); AIP Conf.Proc. 769 (2005)
Shape Coexistence at the Outer Edges of Stability
- 2005CH44 A.Chafa, V.Tatischeff, P.Aguer, S.Barhoumi, A.Coc, F.Garrido, M.Hernanz, J.Jose, J.Kiener, A.Lefebvre-Schuhl, S.Ouichaoui, N.de Sereville, J.-P.Thibaud - Phys.Rev.Lett. 95, 031101 (2005); Erratum Phys.Rev.Lett. 96, 019902 (2006)
Hydrogen Burning of ^{17}O in Classical Novae
- 2005CH49 L.V.Chulkov, H.Simon, I.J.Thompson, T.Aumann, M.J.G.Borge, Th.W.Elze, H.Emling, H.Geissel, L.V.Grigorenko, M.Hellstrom, B.Jonson, J.W.V.Kratz, R.Kulesa, K.Markenroth, M.Meister, G.Munzenberg, F.Nickel, T.Nilsson, G.Nyman, V.Pribora, A.Richter, K.Riisager, C.Scheidenberger, G.Schrieder, O.Tengblad, M.V.Zhukov - Nucl.Phys. A759, 23 (2005)
Three-body correlations in electromagnetic dissociation of Borromean nuclei: The ^6He case
- 2005CH50 L.V.Chulkov, F.Aksouh, A.Bleile, O.V.Bochkarev, D.Cortina-Gil, A.V.Dobrovolsky, P.Egelhof, H.Geissel, M.Hellstrom, N.B.Isaev, O.A.Kiselev, B.G.Komkov, M.Matos, F.N.Moroz, G.Munzenberg, M.Mutterer, V.A.Mylnikov, S.R.Neumaier, V.N.Pribora, D.M.Seliverstov, L.O.Sergeev, A.Shrivastava, K.Summerer, S.Yu.Torilov, H.Weick, M.Winkler, V.I.Yatsoura - Nucl.Phys. A759, 43 (2005)
Quasi-free scattering with $^{6,8}\text{He}$ beams
- 2005CH53 J.A.Church, L.Ahle, L.A.Bernstein, J.Cooper, F.S.Dietrich, J.Escher, C.Forssen, H.Ai, H.Amro, M.Babilon, C.Beausang, J.Caggiano, A.Heinz, R.Hughes, E.McCutchan, D.Meyer, C.Plettner, J.Ressler, V.Zamfir - Nucl.Phys. A758, 126c (2005)
Determining neutron capture cross sections with the Surrogate Reaction Technique: Measuring decay probabilities with STARS
- 2005CHZT H.Chatani - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 664 (2005); AIP Conf.Proc. 769 (2005)

REFERENCES

- Measurement of Effective Cross Section of Th-233(n, γ)Th-234 Reaction Using the KUR
- 2005CHZW R.Chankova, A.Schiller, U.Agvaanluvsan, E.Algin, L.A.Bernstein, M.Guttormsen, F.Ingebretsen, T.Lonnroth, S.Messelt, G.E.Mitchell, J.Rekstad, S.Siem, A.C.Sunde, A.Voinov, S.Odegard - nucl-ex/0507007,7/04/2005 (2005)
Level densities and thermodynamical quantities of heated $^{93-98}\text{Mo}$ isotopes
- 2005C016 H.Costantini, C.Angulo, D.Bemmerer, R.Bonetti, C.Broggini, F.Confortola, P.Corvisiero, J.Cruz, P.Descouvemont, A.Formicola, Z.Fulop, G.Gervino, A.Guglielmetti, C.Gustavino, G.Gyurky, G.Imbriani, A.P.Jesus, M.Junker, A.Lemut, R.Menegazzo, P.Prati, V.Roca, C.Rolfs, M.Romano, C.Rossi Alvarez, F.Schumann, E.Somorjai, O.Straniero, F.Strieder, F.Terrasi, H.P.Trautvetter, A.Vomiero, S.Zavatarelli - Nucl.Phys. A758, 383c (2005)
Recent results of the $^{14}\text{N}(p, \gamma)^{15}\text{O}$ measurement at LUNA
- 2005C017 M.Couder, C.Angulo, E.Casarejos, P.Demaret, P.Leleux, F.Vanderbist - Nucl.Phys. A758, 741c (2005)
Study of the $^{19}\text{Ne}(p, \gamma)^{20}\text{Na}$ reaction and subsequent improvements to ARES
- 2005CR05 J.Cruz, Z.Fulop, G.Gyurky, F.Raiola, A.Di Leva, B.Limata, M.Fonseca, H.Luis, D.Schurmann, M.Aliotta, H.W.Becker, A.P.Jesus, K.U.Kettner, J.P.Ribeiro, C.Rolfs, M.Romano, E.Somorjai, F.Strieder, and the LUNA Collaboration - Phys.Lett. B 624, 181 (2005)
Electron screening in $^7\text{Li}(p, \alpha)\alpha$ and $^6\text{Li}(p, \alpha)^3\text{He}$ for different environments
- 2005DA29 A.Danagoulian, D.J.Hamilton, C.E.Hyde-Wright, V.H.Mamyan, A.M.Nathan, M.Roedelbronn, B.Wojtsekhowski - Nucl.Phys. A755, 281c (2005)
Real Compton Scattering on Proton at High Momentum Transfers
- 2005DA34 T.Datta, S.P.Dange, H.Naik - J.Radioanal.Nucl.Chem. 266, 79 (2005)
Single nucleon transfer reactions near Coulomb barrier on ^{197}Au
- 2005DAZW J.M.D'Auria, for the DRAGON Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1345 (2005); AIP Conf.Proc. 769 (2005)
Nuclear Astrophysics At ISAC With DRAGON
- 2005DAZX D.Dashdorj, P.E.Garrett, J.A.Becker, L.A.Bernstein, J.R.Cooper, M.Devlin, N.Fotiades, G.E.Mitchell, R.O.Nelson, W.Younes - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1035 (2005); AIP Conf.Proc. 769 (2005)
 $^{48}\text{Ti}(n, \text{xnyp}\alpha\gamma)$ Reactions for Neutron Energies up to 250 MeV
- 2005DE34 A.N.Deacon, S.J.Freeman, R.V.F.Janssens, F.R.Xu, M.P.Carpenter, I.R.Calderin, P.Chowdhury, N.J.Hammond, T.Lauritsen, C.J.Lister, D.Seweryniak, J.F.Smith, S.L.Tabor, B.J.Varley, S.Zhu - Phys.Lett. B 622, 151 (2005); Erratum Phys.Lett. B 625, 375 (2005)

REFERENCES

- Changes in $\nu g_{9/2}$ shape polarisation across the odd neutron-rich Cr isotopes
- 2005DE42 L.De Smet, C.Wagemans, G.Goeminne, J.Wagemans, J.Heyse, J.Van Gils - Nucl.Phys. A758, 80c (2005)
Investigation of the (n, p) and (n, α) reactions on ^{26}Al and ^{36}Cl and their astrophysical relevance
- 2005DE45 N.de Sereville, E.Berthoumieux, A.Coc - Nucl.Phys. A758, 745c (2005)
The $^{18}\text{F}(p, \alpha)^{15}\text{O}$ reaction rate for application to nova γ -ray emission
- 2005DEZV A.M.Demidov, L.I.Govor, V.A.Kurkin, I.V.Mikhailov - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.53 (2005)
Multipole Mixtures in ^{154}Sm γ -Transitions from the (n, n' γ) Reaction
- 2005DEZW M.S.Dewey, E.G.Kessler, Jr., R.D.Deslattes, H.G.Borner, M.Jentschel, C.Doll, P.Mutti - nucl-ex/0507011,7/06/2005 (2005)
Precision Measurement of the ^{29}Si , ^{33}S , and ^{36}Cl Binding Energies
- 2005DI15 I.Dillmann, M.Heil, F.Kappeler, T.Rauscher, F.-K.Thielemann - Nucl.Phys. A758, 513c (2005)
The (n, γ) cross sections of the p-process nuclei ^{74}Se and ^{84}Sr at $kT=25$ keV
- 2005DIZY F.Ditroi, F.Tarkanyi, J.Csikai, M.S.Uddin, M.Hagiwara, M.Baba - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1011 (2005); AIP Conf.Proc. 769 (2005)
Investigation of Activation Cross Sections of the Proton Induced Nuclear Reactions on Natural Iron at Medium Energies
- 2005D016 Zs.Dombradi, Z.Elekes, R.Kanungo, H.Baba, Zs.Fulop, J.Gibelin, A.Horvath, E.Ideguchi, Y.Ichikawa, N.Iwasa, H.Iwasaki, S.Kanno, S.Kawai, Y.Kondo, T.Motobayashi, M.Notani, T.Ohnishi, A.Ozawa, H.Sakurai, S.Shimoura, E.Takeshita, S.Takeuchi, I.Tanihata, Y.Togano, C.Wu, Y.Yamaguchi, Y.Yanagisawa, A.Yoshida, K.Yoshida - Phys.Lett. B 621, 81 (2005)
Decoupling of valence neutrons from the core in ^{17}B
- 2005D0ZW Zs.Dombradi, D.Sohler, T.Otsuka, F.Azaiez, M.Belleguic, M.J.Lopez-Jimenez, M.G.Saint-Laurent, O.Sorlin, N.L.Achouri, J.C.Angelique, C.Borcea, C.Bourgeois, J.M.Daugas, F.De Oliveira-Santos, Z.Dlouhy, C.Donzaud, J.Duprat, S.Grevy, D.Guillemaud-Mueller, S.Leenhardt, M.Lewitowicz, S.M.Lukyanov, W.Mittig, Y.Utsuno, Yu.-E.Penionzhkevich, M.G.Porquet, F.Pougheon, P.Roussel-Chomaz, H.Savajols, Y.Sobolev, C.Stodel, M.Stanoiu, J.Timar - ATOMKI 2004 Ann.Rept., p.10 (2005)
Neutron excitations across the $N = 20$ shell gap in $^{26,28}\text{Ne}$

REFERENCES

- 2005D0ZX Zs.Dombradi, D.Sohler, F.Azaiez, M.Belleguic, M.J.Lopez-Jimenez, M.G.Saint-Laurent, O.Sorlin, N.L.Achouri, J.C.Angelique, C.Borcea, C.Bourgeois, J.M.Daugas, F.De Oliveira-Santos, Z.Dlouhy, C.Donzaud, J.Duprat, S.Grevy, D.Guillemaud-Mueller, S.Leenhardt, M.Lewitowicz, S.M.Lukyanov, W.Mittig, Yu.-E.Penionzhkevich, M.G.Porquet, F.Pougheon, P.Roussel-Chomaz, H.Savajols, Y.Sobolev, C.Stodel, M.Stanoiou, J.Timar - ATOMKI 2004 Ann.Rept., p.8 (2005)
In beam γ -ray spectroscopy of the neutron rich isotope ^{19}N
- 2005D0ZY C.Domingo-Pardo, and the n_TOF Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1521 (2005); AIP Conf.Proc. 769 (2005)
New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes
- 2005DU19 R.du Rietz, S.J.Williams, D.Rudolph, J.Ekman, C.Fahlander, C.Andreoiu, M.Axiotis, M.A.Bentley, M.P.Carpenter, C.Chandler, R.J.Charity, R.M.Clark, M.Cromaz, A.Dewald, G.de Angelis, F.Della Vedova, P.Fallon, A.Gadea, G.Hammond, E.Ideguchi, S.M.Lenzi, A.O.Macchiavelli, N.Marginean, M.N.Mineva, O.Moller, D.R.Napoli, M.Nespolo, W.Reviol, C.Rusu, B.Saha, D.G.Sarantites, D.Seweryniak, D.Tonev, C.A.Ur - Phys.Rev. C 72, 014307 (2005)
Investigation of high-spin states in ^{53}Fe
- 2005DZ03 S.N.Dzhosyuk, A.Copete, J.M.Doyle, L.Yang, K.J.Coakley, R.Golub, E.Korobkina, T.Kreft, S.K.Lamoreaux, A.K.Thompson, G.L.Yang, P.R.Huffman - J.Res.Natl.Inst.Stand.Technol. 110, 339 (2005)
Determination of the Neutron Lifetime Using Magnetically Trapped Neutrons
- 2005EGZZ K.S.Egiyan, for the CLAS Collaboration - nucl-ex/0508026,8/24/2005 (2005)
Measurement of 2- and 3-Nucleon Short Range Correlation Probabilities in Nuclei
- 2005ER03 K.Ermisch, H.R.Amir-Ahmadi, A.M.van den Berg, R.Castelijns, B.Davids, A.Deltuva, E.Epelbaum, W.Glockle, J.Golak, M.N.Harakeh, M.Hunyadi, M.A.de Huu, N.Kalantar-Nayestanaki, H.Kamada, M.Kis, M.Mahjour-Shafiei, A.Nogga, P.U.Sauer, R.Skibinski, H.Witala, H.J.Wortche - Phys.Rev. C 71, 064004 (2005)
Systematic investigation of three-nucleon force effects in elastic scattering of polarized protons from deuterons at intermediate energies
- 2005ESZZ E.-I.Esch, A.Alpizar-Vicente, E.M.Bond, T.A.Bredeweg, S.E.Glover, U.Greife, R.C.Haight, R.Hatarik, A.Kronenberg, J.M.O'Donnell, E.J.Pitcher, R.Reifarth, R.S.Rundberg, J.L.Ullmann, D.J.Vieira, S.A.Wender, J.M.Wouters - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 989 (2005); AIP Conf.Proc. 769 (2005)
Status of the Neutron Capture Measurement on ^{237}Np with the DANCE Array at LANSCE
- 2005FI10 S.M.Fischer, T.Anderson, P.Kerns, G.Mesoloras, D.Svelnys, C.J.Lister, D.P.Balamuth, P.A.Hausladen, D.G.Sarantites - Phys.Rev. C 72, 024321 (2005)
Shape coexistence in ^{71}Br and the question of the ground-state spin of ^{71}Kr

REFERENCES

- 2005F005 N.Fotiades, J.A.Cizewski, R.Krucken, R.M.Clark, P.Fallon, I.Y.Lee, A.O.Macchiavelli, D.P.McNabb, J.A.Becker, L.A.Bernstein, W.Younes - Phys.Rev. C 71, 064312 (2005)
High-spin states in $N = 50$ ^{85}Br and ^{87}Rb nuclei
- 2005F006 N.Fotiades, R.O.Nelson, M.Devlin, K.Starosta, J.A.Becker, L.A.Bernstein, P.E.Garrett, W.Younes - Phys.Rev. C 71, 064314 (2005)
States in ^{197}Au from the $(n, n'\gamma)$ reaction
- 2005F009 D.Fong, J.K.Hwang, A.V.Ramayya, J.H.Hamilton, Y.X.Luo, P.M.Gore, E.F.Jones, W.B.Walters, J.O.Rasmussen, M.A.Stoyer, S.J.Zhu, I.Y.Lee, A.O.Macchiavelli, S.C.Wu, A.V.Daniel, G.M.Ter-Akopian, Yu.Ts.Oganessian, J.D.Cole, R.Donangelo, W.C.Ma - Phys.Rev. C 72, 014315 (2005)
Negative parity bands of ^{115}Pd and band structures in $^{113,115,117}\text{Pd}$
- 2005F0ZZ N.Fotiades, R.O.Nelson, M.Devlin, M.B.Chadwick, P.Talou, J.A.Becker, P.E.Garrett, W.Younes - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 898 (2005); AIP Conf.Proc. 769 (2005)
Cross Sections for γ -Ray Production in the $^{191}\text{Ir}(n, xn\gamma)$ Reactions
- 2005FU03 M.Fukada, M.Ohmura, F.Harima, K.Ogino, K.Takimoto, S.Ohkubo - Phys.Rev. C 71, 067602 (2005)
 α -cluster states in ^{38}Ar observed via the $^{34}\text{S}(^7\text{Li}, t\alpha)^{34}\text{S}$ reaction
- 2005FU13 Zs.Fulop, Gy.Gyurky, E.Somorjai, D.Schurmann, F.Raiola, F.Strieder, C.Rolfs, B.N.Limata, L.Gialanella, G.Imbriani, V.Roca, M.Romano, N.De Cesare, A.D'Onofrio, D.Rogalla, F.Terrasi - Nucl.Phys. A758, 697c (2005)
Decay of ^7Be in metallic environment
- 2005FUZV T.Fukuchi, N.Hokoiwa, Y.Wakabayashi, Y.Gono, A.Odahara, T.Shinozuka, M.Fujita, A.Yamazaki, T.Sonoda, T.Suzuki - CNS-REP-66, p.17 (2005)
Study of High-Spin States in ^{91}Zr
- 2005FUZW H.Fujikawa, S.Kubono, A.Saito, H.Yamaguchi, G.Amadio, J.J.He, L.H.Khiem, S.Nishimura, H.Ohta, A.Ozawa, Y.Tagishi, Y.Wakabayashi, M.Yamaguchi, T.Yasuno - CNS-REP-66, p.13 (2005)
Development of a High-Precision Method for Alpha Resonant Scattering Measurements for Nuclear Astrophysics
- 2005FUZX Zs.Fulop, H.Yamaguchi, Z.Elekes, S.Kubono, G.Amadio, H.Fujikawa, J.J.He, S.Michimasa, J.Niikura, S.Nishimura, A.Saito, T.Teranishi, Y.Wakabayashi, Y.Yanagisawa - CNS-REP-66, p.8 (2005)
Production of ^{39}Ar at the CRIB Facility
- 2005FUZY K.Furutaka, H.Harada, S.Raman - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1454 (2005); AIP Conf.Proc. 769 (2005)

REFERENCES

- Determination of the $^{99}\text{Tc}(\text{thermal } n, \gamma)^{100}\text{Tc}$ Reaction Cross Section from the Prompt γ -Ray Yields
- 2005GA20 A.Gadea, S.M.Lenzi, D.R.Napoli, M.Axiotis, C.A.Ur, G.Martinez-Pinedo, M.Gorska, E.Roeckl, E.Caurier, F.Nowacki, G.De Angelis, L.Batist, R.Borcea, F.Brandolini, D.Cano-Ott, J.Doring, C.Fahlander, E.Farnea, H.Grawe, M.Hellstrom, Z.Janas, R.Kirchner, M.La Commara, C.Mazzocchi, E.Nacher, C.Plettner, A.Plochocki, B.Rubio, K.Schmidt, R.Schwengner, J.L.Tain, J.Zylicz - Phys.Lett. B 619, 88 (2005)
Hindered E4 decay of the 12^+ yrast trap in ^{52}Fe
- 2005GA21 D.Galaviz, Zs.Fulop, Gy.Gyurky, Z.Mate, P.Mohr, T.Rauscher, E.Somorjai, A.Zilges - Phys.Rev. C 71, 065802 (2005)
Elastic α scattering on ^{112}Sn and ^{124}Sn at astrophysically relevant energies
- 2005GA22 A.Gade, D.Bazin, A.Becerril, C.M.Campbell, J.M.Cook, D.J.Dean, D.-C.Dinca, T.Glasmacher, G.W.Hitt, M.E.Howard, W.F.Mueller, H.Olliver, J.R.Terry, K.Yoneda - Phys.Rev.Lett. 95, 022502 (2005); Erratum Phys.Rev.Lett. 96, 189901 (2006)
Quadrupole Deformation of the Self-Conjugate Nucleus ^{72}Kr
- 2005GA25 Yu.P.Gangrsky, V.I.Zhemenik, N.Yu.Maslova, G.V.Mishinsky, Yu.E.Penionzhkevich - Part. and Nucl., Lett. 125, 44 (2005)
Yields of Fragments in the Spontaneous and Photofission of ^{248}Cm
- 2005GA36 E.Garcia-Torano, M.T.Crespo, M.Roteta, G.Sibbens, S.Pomme, A.M.Sanchez, M.P.R.Montero, S.Woods, A.Pearce - Nucl.Instrum.Methods Phys.Res. A550, 581 (2005)
 α -particle emission probabilities in the decay of ^{235}U
- 2005GA40 D.Galaviz, A.Kretschmer, S.Muller, K.Sonnabend, A.Zilges - Nucl.Phys. A758, 521c (2005)
Nuclear astrophysics with real photons
- 2005GAZW Yu.P.Gangrsky, N.N.Kolesnikov, V.G.Lukashik, G.V.Mishinsky, Yu.E.Penionzhkevich, V.I.Zhemenik - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.66 (2005)
The Ratio of ^{135m}Xe and ^{135g}Xe Yields in the Photofission Reactions of Heavy Nuclei
- 2005GE06 W.Geithner, B.A.Brown, K.M.Hilligsoe, S.Kappertz, M.Keim, G.Kotrotsios, P.Lievens, K.Marinova, R.Neugart, H.Simon, S.Wilbert - Phys.Rev. C 71, 064319 (2005)
Nuclear moments of neon isotopes in the range from ^{17}Ne at the proton drip line to neutron-rich ^{25}Ne

REFERENCES

- 2005GE07 M.T.Gericke, J.D.Bowman, R.D.Carlini, T.E.Chupp, K.P.Coulter, M.Dabaghyan, D.Desai, S.J.Freeman, T.R.Gentile, R.C.Gillis, G.L.Greene, F.W.Hersman, T.Ino, S.Ishimoto, G.L.Jones, B.Lauss, M.B.Leuschner, B.Losowski, R.Mahurin, Y.Masuda, G.S.Mitchell, S.Muto, H.Nann, S.A.Page, S.I.Penttila, W.D.Ramsay, S.Santra, P.-N.Seo, E.I.Sharapov, T.B.Smith, W.M.Snow, W.S.Wilburn, V.Yuan, H.Zhu - J.Res.Natl.Inst.Stand.Technol. 110, 215 (2005)
Commissioning of the NPDGamma Detector Array: Counting Statistics in Current Mode Operation and Parity Violation in the Capture of Cold Neutrons on B_4C and ^{27}Al
- 2005GEZY L.N.Generalov, A.G.Zvenigorodsky, S.N.Abramovich, I.A.Karpov, Yu.I.Vinogradov - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.172 (2005)
Investigation of the Excitation Function of $^{11}B(t, p)^{13}B$ Reaction
- 2005GEZZ L.N.Generalov - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.171 (2005)
Total Cross Section of $^9Be(p, \alpha)^6Li^*(3.56 \text{ MeV})$ Reaction at $E_p=3.1-5.24 \text{ MeV}$
- 2005GI07 L.Giot, P.Roussel-Chomaz, C.E.Demonchy, W.Mittig, H.Savajols, N.Alamanos, F.Auger, A.Gillibert, C.Jouanne, V.Lapoux, L.Nalpas, E.C.Pollacco, J.L.Sida, F.Skaza, M.D.Cortina-Gil, J.Fernandez-Vazquez, R.S.Mackintosh, A.Pakou, S.Pita, A.Rodin, S.Stepantsov, G.M.Ter-Akopian, K.Rusek, I.J.Thompson, R.Wolski - Phys.Rev. C 71, 064311 (2005)
Investigation of 6He cluster structures
- 2005GIZX J.Gibelin, N.Aoi, H.Baba, D.Beaumel, Y.Blumenfeld, Z.Elekes, N.Fukuda, T.Gomi, K.Ishikawa, Y.Kondo, T.Kubo, V.Lima, T.Motobayashi, T.Nakamura, A.Saito, Y.Satou, E.Takeshita, S.Takeuchi, T.Teranishi, Y.Togano, A.M.Vinodkumar, Y.Yanagisawa, K.Yoshida - RIKEN Accelerator Progress Report 2004, p.53 (2005)
In-beam gamma spectroscopy of ^{25}Ne via ^{26}Ne breakup
- 2005GIZY G.Giorginis, V.Khryachkov - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 816 (2005); AIP Conf.Proc. 769 (2005)
Particle Leaking, Cross-Section Ratio $^{10}B(n, \alpha) / ^{238}U(n, \text{fission})$, and Excitation Function of the Reaction $^{10}B(n, \alpha)^7Li$ at MeV Energies
- 2005GL05 I.V.Glavanakov, Yu.F.Krechetov, O.K.Saigushkin, E.N.Shuvalov, V.M.Bystritskii - Pisma Zh.Eksp.Teor.Fiz. 81, 546 (2005); JETP Lett. 81, 432 (2005)
Nucleon-Nucleon Correlations in the (γ, π^-p) and (γ, π^-pp) Reactions on the ^{12}C Nucleus
- 2005G030 V.Z.Goldberg, K.-M.Kallman, T.Lonnroth, P.Manngard, B.B.Skorodumov - Yad.Fiz. 68, 1123 (2005); Phys.Atomic Nuclei 68, 1079 (2005)
Alpha-Cluster States in ^{18}O

REFERENCES

- 2005G033 T.Gomi, T.Motobayashi, Y.Ando, N.Aoi, H.Baba, K.Demichi, Z.Elekes, N.Fukuda, Zs.Fulop, U.Futakami, H.Hasegawa, Y.Higurashi, K.Ieki, N.Imai, M.Ishihara, K.Ishikawa, N.Iwasa, H.Iwasaki, S.Kanno, Y.Kondo, T.Kubo, S.Kubono, M.Kunibu, K.Kurita, Y.U.Matsuyama, S.Michimasa, T.Minemura, M.Miura, H.Murakami, T.Nakamura, M.Notani, S.Ota, A.Saito, H.Sakurai, M.Serata, S.Shimoura, T.Sugimoto, E.Takeshita, S.Takeuchi, Y.Togano, K.Ue, K.Yamada, Y.Yanagisawa, K.Yoneda, A.Yoshida - Nucl.Phys. A758, 761c (2005)
Coulomb Dissociation of ^{23}Al for the stellar $^{22}\text{Mg}(p, \gamma)^{23}\text{Al}$ reaction
- 2005G0ZX C.Goessling, M.Junker, H.Kiel, D.Muenstermann, S.Oehl, K.Zuber - nucl-ex/0508016,08/12/2005 (2005)
Experimental study of ^{113}Cd beta decay using CdZnTe detectors
- 2005G0ZY M.S.Golovkov, L.V.Grigenko, A.S.Fomichev, S.A.Krupko, Yu.Ts.Oganessian, A.M.Rodin, S.I.Sidorchuk, R.S.Slepnev, S.V.Stepantsov, G.M.Ter-Akopian, R.Wolski, A.A.Korshennikov, E.Yu.Nikolskii, P.Roussel-Chomaz, W.Mittig, R.Palit, C.Angulo, V.Bouchat, V.Kinnard, T.Materna, F.Hanappe, O.Dorvaux, L.Stuttge - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.124 (2005)
Correlation Studies of the ^5H Spectrum
- 2005GR15 P.Grabmayr, for the GDH Collaboration - Prog.Part.Nucl.Phys. 55, 375 (2005)
An experimental test of the GDH sum rule
- 2005GR19 K.E.Gregorich, W.Loveland, D.Peterson, P.M.Zielinski, S.L.Nelson, Y.H.Chung, Ch.E.Dullmann, C.M.Folden III, K.Aleklett, R.Eichler, D.C.Hoffman, J.P.Omtvedt, G.K.Pang, J.M.Schwantes, S.Soverna, P.Sprunger, R.Sudowe, R.E.Wilson, H.Nitsche - Phys.Rev. C 72, 014605 (2005)
Attempt to confirm superheavy element production in the $^{48}\text{Ca} + ^{238}\text{U}$ reaction
- 2005GR22 C.Granja, S.Pospisil, R.E.Chrien, S.A.Telezhnikov - Nucl.Phys. A757, 287 (2005)
Levels of ^{174}Yb populated in average resonance neutron capture
- 2005GRZY Yu.V.Grigoriev, V.Ya.Kitaev, V.V.Sinita, Zh.V.Mezentseva, H.Faikov-Stanczyk, N.B.Janeva - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 928 (2005); AIP Conf.Proc. 769 (2005)
The Investigation of the Doppler-Effect of the α -Value of ^{235}U and ^{239}Pu for Different Temperatures
- 2005GUZZ Yu.B.Gurov, D.V.Aleshkin, B.A.Chernyshev, S.V.Lapushkin, I.V.Laukhin, V.A.Pechkurov, N.O.Poroshin, V.G.Sandukovsky, M.V.Tel'kushev - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.139 (2005)
The Search for the Superheavy Hydrogen Isotope ^7H in the Reaction $^9\text{Be}(\pi^-, pp)X$
- 2005GY03 Gy.Gyurky, Zs.Fulop, G.Kiss, Z.Mate, E.Somorjai, J.Gorres, A.Palumbo, M.Wiescher, D.Galaviz, A.Kretschmer, K.Sonnabend, A.Zilges, T.Rauscher - Nucl.Phys. A758, 517c (2005)

REFERENCES

- A comprehensive study of the $^{106}\text{Cd}(\alpha, \gamma)^{110}\text{Sn}$ reaction at energies relevant to the p-process
- 2005GYZY Gy.Gyurky, Z.Elekes, Zs.Fulop, G.G.Kiss, E.Somorjai, A.Palumbo, M.Wiescher, J.Gorres, W.Rapp, N.Ozkan, R.T.Guray, T.Rauscher - ATOMKI 2004 Ann.Rept., p.19 (2005)
Alpha capture cross section of ^{106}Cd for the astrophysical p-process
- 2005HA32 D.J.Hamilton, and the Jefferson Lab Hall A Collaboration - Phys.Rev.Lett. 94, 242001 (2005)
Polarization Transfer in Proton Compton Scattering at High Momentum Transfer
- 2005HA37 D.K.Hasell, for the BLAST Collaboration - Nucl.Phys. A755, 257c (2005)
Recent Results from BLAST
- 2005HA39 C.Hadjidakis, on behalf of the HERMES Collaboration - Nucl.Phys. A755, 557c (2005)
Exclusive pion production at HERMES
- 2005HA45 S.Harissopulos, J.Doring, M.La Commara, K.Schmidt, C.Mazzocchi, R.Borcea, S.Galanopoulos, M.Gorska, H.Grawe, M.Hellstrom, Z.Janas, R.Kirchner, E.Roeckl, I.P.Johnstone, R.Schwengner, L.D.Skouras - Phys.Rev. C 72, 024303 (2005)
 β decay of ^{95}Ag
- 2005HA48 J.W.Hammer, M.Fey, R.Kunz, J.Kiener, V.Tatischeff, F.Haas, J.L.Weil, M.Assuncao, C.Beck, C.Boukari-Pelissie, A.Coc, J.J.Correia, S.Courtin, F.Fleurot, E.Galanopoulos, C.Grama, F.Hammache, S.Harissopulos, A.Korichi, E.Krmpotic, D.Le Du, A.Lopez-Martens, D.Malcherek, R.Meunier, P.Papka, T.Paradellis, M.Rousseau, N.Rowley, G.Staudt, S.Szilner - Nucl.Phys. A758, 363c (2005)
E1 and E2 capture cross section and astrophysical reaction rate of the key reaction $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$
- 2005HA49 S.Harissopulos, A.Spyrou, A.Lagoyannis, Ch.Zarkadas, H.-W.Becker, C.Rolfs, F.Strieder, J.W.Hammer, A.Dewald, K.-O.Zell, P.von Brentano, R.Julin, P.Demetriou, S.Goriely - Nucl.Phys. A758, 505c (2005)
Systematic measurements of proton- and alpha-capture cross sections relevant to the modelling of the p process
- 2005HAZN S.Harissopulos, H.W.Becker, J.W.Hammer, A.Lagoyannis, C.Rolfs, F.Strieder - nucl-ex/0509014,9/09/2005 (2005)
The reaction $^{13}\text{C}(\alpha, n)^{16}\text{O}$: a background for the observation of geo-neutrinos
- 2005HAZQ F.-J.Hambsch, N.Varapai, S.Zeinalov, S.Oberstedt, O.Serot - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 644 (2005); AIP Conf.Proc. 769 (2005)
Prompt Fission Neutron Emission in Resonance Fission of ^{239}Pu
- 2005HE19 M.Heil, S.Dababneh, F.Kappeler, R.Plag, A.Juseviciute, N.Winckler, R.Reifarth, S.O'Brien - Nucl.Phys. A758, 529c (2005)

REFERENCES

- A neutron source to measure stellar neutron capture cross sections at $kT=5$ keV
- 2005HEZS J.J.He, S.Kubono, T.Teranishi, M.Notani, H.Baba, S.Nishimura, J.Y.Moon, M.Nishimura, S.Michimasa, H.Iwasaki, Y.Yanagisawa, N.Hokoiwa, M.Kibe, J.H.Lee, S.Kato, Y.Gono, C.S.Lee - CNS-REP-66, p.3 (2005)
Study of Proton Resonant States in ^{23}Al using a Radioactive Beam of ^{22}Mg
- 2005HEZT J.J.He, S.Kubono, T.Teranishi, M.Notani, H.Baba, S.Nishimura, J.Y.Moon, M.Nishimura, S.Michimasa, H.Iwasaki, Y.Yanagisawa, N.Hokoiwa, M.Kibe, J.H.Lee, S.Kato, Y.Gono, C.S.Lee - CNS-REP-66, p.1 (2005)
Study of Proton Resonant States in ^{22}Mg using a Radioactive Beam of ^{21}Na
- 2005HEZU F.P.Hessberger, S.Hofmann, D.Ackermann, S.Antalic, I.Kojouharov, P.Kuusiniemi, R.Mann, K.Nishio, S.Saro, B.Streicher, B.Sulignano, M.Venhardt - GSI 2005-1, p.73 (2005)
Decay spectroscopy of ^{255}No
- 2005HEZW A.Hermanne, F.Tarkanyi, S.Takacs, Yu.N.Shubin - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 961 (2005); AIP Conf.Proc. 769 (2005)
Experimental Determination of Cross Section of Alpha-Induced Reactions on ^{nat}Pd
- 2005HEZX A.Hermanne, F.Tarkanyi, S.Takacs, Z.Szucs - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 957 (2005); AIP Conf.Proc. 769 (2005)
Experimental Study of the Cross Sections of alpha-Particle Induced Reactions on ^{209}Bi
- 2005HIZX K.Hilgers, S.M.Qaim, H.H.Coenen - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1631 (2005); AIP Conf.Proc. 769 (2005)
New Cross Section Data for Production of the Therapeutic Radionuclides ^{64}Cu , ^{140}Nd , and ^{192}Ir
- 2005HIZY A.Hildebrand, J.Blomgren, A.Atac, B.Bergenwall, C.Johansson, J.Klug, P.Mermod, L.Nilsson, S.Pomp, M.Esterlund, S.Dangtip, U.Tippawan, P.Phansuke, O.Jonsson, P.-U.Renberg, A.Prokofiev, P.Nadel-Turonski, K.Elmgren, N.Olsson, V.Blideanu, C.Le Brun, J.-F.Lecolley, F.-R.Lecolley, M.Louvel, N.Marie-Noury, C.Schweitzer, Ph.Eudes, F.Haddad, C.Lebrun, A.J.Koning - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 853 (2005); AIP Conf.Proc. 769 (2005)
Elastic Neutron Scattering at 96 MeV
- 2005H016 M.V.Hoshovsky, V.M.Mazur, Z.M.Bigan, V.I.Lyamayev, T.Yo.Marynets - Ukr.J.Phys. 50, 649 (2005)

REFERENCES

- Excitation cross sections for the $13 / 2^+$ isomer state of mercury-199 nucleus in the (γ, γ') and (γ, n) reactions
- 2005HU14 D.Huang, P.Wang, X.Chen, W.Tian, B.Ni, L.Zhang, G.Zhang, C.Liu, L.Liu - J.Radioanal.Nucl.Chem. 265, 499 (2005)
Half-life of ^{97}Zr , re-measured
- 2005HUZZ H.Hubel, A.Burger, T.R.Saito, H.Grawe, P.Reiter, F.Becker, J.Gerl, M.Gorska, H.J.Wollersheim, A.Al-Khatib, A.Banu, T.Beck, P.Bednarczyk, G.Benzoni, A.Bracco, S.Brambilla, P.Bringel, F.Camera, E.Clement, P.Doornenbal, H.Geissel, A.Gorgen, J.Grebosz, G.Hammond, M.Hellstrom, M.Kavatsyuk, O.Kavatsyuk, M.Kmiecik, I.Kojouharov, W.Korten, N.Kurz, R.Lozeva, A.Maj, S.Mandal, B.Million, S.Muralithar, A.Neusser, Zs.Podolyak, N.Saito, A.K.Singh, H.Weick, O.Wieland, M.Winkler, C.Wheldon - Proc. XLIII Intern.Winter Meeting on Nuclear Physics, Bormio, Italy, 14 - 19 March 2005, I.Iori and A.Bortolotti, eds., p.232 (2005)
Relativistic Coulomb Excitation of Neutron-Rich Cr Isotopes
- 2005IC02 S.Ichikawa, M.Asai, K.Tsukada, H.Haba, Y.Nagame, M.Shibata, M.Sakama, Y.Kojima - Phys.Rev. C 71, 067302 (2005)
 β -decay half-lives of new neutron-rich rare-earth isotopes ^{159}Pm , ^{162}Sm , and ^{166}Gd
- 2005IDZY E.Ideguchi, B.Cederwall, E.Ganioglu, B.Hadinia, K.Lagergren, T.Back, S.Eeckhaudt, T.Grahn, P.Greenlees, A.Johnson, D.T.Joss, R.Julin, S.Juutinen, H.Kettunen, M.Leino, A.-P.Leppanen, P.Nieminen, M.Nyman, J.Pakarinen, E.S.Paul, P.Rahkila, C.Scholey, J.Uusitalo, R.Wadsworth, D.R.Wiseman, R.Wyss - CNS-REP-66, p.19 (2005)
A Rotational Band in ^{107}In
- 2005IL01 M.Iliescu, for the DEAR and SIDDHARTA Collaborations - Nucl.Phys. A755, 455c (2005)
Precision measurements on kaonic hydrogen and kaonic deuterium: DEAR and SIDDHARTA
- 2005IL02 C.Iliadis, A.E.Champagne - Nucl.Phys. A758, 73c (2005)
Nuclear Astrophysics: Direct measurements with stable beams
- 2005IMZY G.Imbriani, H.Costantini, A.Formicola, A.Vomiero, C.Angulo, D.Bemmerer, R.Bonetti, C.Broggini, F.Confortola, P.Corvisiero, J.Cruz, P.Descouvemont, Zs.Fulop, G.Gervino, A.Guglielmetti, C.Gustavino, Gy.Gyurky, A.P.Jesus, M.Junker, J.N.Klug, A.Lemut, R.Menegazzo, P.Prati, V.Roca, C.Rolfs, M.Romano, C.Rossi Alvarez, F.Schumann, D.Schurmann, E.Somorjai, O.Straniero, F.Strieder, F.Terrasi, H.P.Trautvetter - nucl-ex/0509005,9/01/2005 (2005)
S-factor of $^{14}\text{N}(p, \gamma)^{15}\text{O}$ at astrophysical energies

REFERENCES

- 2005IMZZ N.Imai, N.Aoi, H.J.Ong, H.Sakurai, K.Demichi, H.Kawasaki, H.Baba, Zs.Dombradi, Z.Elekes, N.Fukuda, Zs.Fulop, A.Gelberg, T.Gomi, H.Hasegawa, K.Ishikawa, H.Iwasaki, E.Kaneko, S.Kanno, T.Kishida, Y.Kondo, T.Kubo, K.Kurita, S.Michimasa, T.Minemura, M.Miura, T.Motobayashi, T.Nakamura, M.Notani, T.K.Onishi, A.Saito, S.Shimoura, T.Sugimoto, M.K.Suzuki, E.Takeshita, S.Takeuchi, M.Tamaki, K.Yoneda, H.Watanabe, M.Ishihara - RIKEN Accelerator Progress Report 2004, p.41 (2005)
Lifetime of the first excited state of ^{12}Be
- 2005IS07 T.Ishii, S.Shigematsu, M.Asai, A.Makishima, M.Matsuda, J.Kaneko, I.Hossain, S.Ichikawa, T.Kohno, M.Ogawa - Phys.Rev. C 72, 021301 (2005)
In-beam γ -ray spectroscopy of ^{240}U using the (^{18}O , ^{16}O) reaction
- 2005IW02 H.Iwasaki, T.Motobayashi, H.Sakurai, K.Yoneda, T.Gomi, N.Aoi, N.Fukuda, Zs.Fulop, U.Futakami, Z.Gacsi, Y.Higurashi, N.Imai, N.Iwasa, T.Kubo, M.Kunibu, M.Kurokawa, Z.Liu, T.Minemura, A.Saito, M.Serata, S.Shimoura, S.Takeuchi, Y.X.Watanabe, K.Yamada, Y.Yanagisawa, M.Ishihara - Phys.Lett. B 620, 118 (2005)
Quadrupole collectivity of ^{28}Ne and the boundary of the island of inversion
- 2005IWZX N.Iwasa, S.Bishop, Z.Elekes, J.Gibelin, M.Hosoi, K.Ieki, K.Ishikawa, H.Iwasaki, S.Kawai, S.Kubono, K.Kurita, M.Kurokawa, N.Matsui, T.Minemura, H.Morikawa, T.Nakamura, M.Niikura, M.Notani, S.Ota, A.Saito, H.Sakurai, S.Shimoura, K.Sugawara, T.Sugimoto, H.Suzuki, T.Suzuki, E.Takeshita, S.Takeuchi, I.Tanihata, T.Teranishi, Y.Togano, K.Yamada, K.Yamaguchi, Y.Yanagisawa, T.Motobayashi - RIKEN Accelerator Progress Report 2004, p.58 (2005)
Coulomb excitation of ^{20}Mg
- 2005JE06 D.G.Jenkins, B.R.Fulton, C.J.Lister, R.V.F.Janssens, T.L.Khoo, E.F.Moore, K.E.Rehm, B.Truett, A.H.Wuosmaa, M.Freer, J.Jose - Nucl.Phys. A758, 749c (2005)
Reevaluation of the $^{22}\text{Na}(p, \gamma)$ reaction rate
- 2005JEZY M.Jentschel, H.G.Borner, P.Mutti, E.G.Kessler, Jr., M.S.Dewey, A.Henins - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 617 (2005); AIP Conf.Proc. 769 (2005)
Accurate Determination of Neutron Binding Energies
- 2005J012 C.Jouanne, V.Lapoux, F.Auger, N.Alamanos, A.Drouart, A.Gillibert, G.Lobo, A.Musumarra, L.Nalpas, E.Pollacco, J.-L.Sida, M.Trotta, Y.Blumenfeld, E.Khan, T.Suomijarvi, T.Zerguerras, P.Roussel-Chomaz, H.Savajols, A.Lagoyannis, A.Pakou - Phys.Rev. C 72, 014308 (2005)
Structure of low-lying states of $^{10,11}\text{C}$ from proton elastic and inelastic scattering
- 2005J0ZX C.Johansson, J.Blomgren, A.Atac, B.Bergenwall, A.Hildebrand, J.Klug, P.Mermod, L.Nilsson, N.Olsson, M.Osterlund, S.Pomp, U.Tippawan, O.Jonsson, A.Prokofiev, P.-U.Renberg, K.Elmgren, S.Dangtip, P.Nadel-Turonski - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 804 (2005); AIP Conf.Proc. 769 (2005)

REFERENCES

Forward-Angle Neutron-Proton Scattering at 96 MeV

- 2005KA23 S.Kameoka, S.Ajimura, K.Aoki, A.Banu, H.C.Bhang, T.Fukuda, O.Hashimoto, J.I.Hwang, B.H.Kang, E.H.Kim, J.H.Kim, M.J.Kim, T.Maruta, Y.Miura, Y.Miyake, T.Nagae, M.Nakamura, S.N.Nakamura, H.Noumi, S.Okada, Y.Okayasu, H.Outa, H.Park, P.K.Saha, Y.Sato, M.Sekimoto, T.Takahashi, H.Tamura, K.Tanida, A.Toyoda, K.Tsukada, T.Watanabe, H.J.Yim - Nucl.Phys. A754, 173c (2005)
Measurement of the π^- decay width of $^5_\Lambda\text{He}$
- 2005KA25 S.G.Karshenboim, V.G.Ivanov, Yu.I.Neronov, B.P.Nikolaev, Yu.N.Tolparov - Can.J.Phys. 83, 405 (2005)
A new determination of the proton-to-deuteron ratio of magnetic moments
- 2005KA26 R.Kanungo, Z.Elekes, H.Baba, Zs.Dombradi, Zs.Fulop, J.Gibelin, A.Horvath, Y.Ichikawa, E.Ideguchi, N.Iwasa, H.Iwasaki, S.Kawai, Y.Kondo, T.Motobayashi, M.Notani, T.Ohnishi, A.Ozawa, H.Sakurai, S.Shimoura, E.Takeshita, S.Takeuchi, I.Tanihata, Y.Togano, C.Wu, Y.Yamaguchi, Y.Yanagisawa, A.Yoshida, K.Yoshida - Nucl.Phys. A757, 315 (2005)
Search for an isomeric state in ^{19}C
- 2005KA33 M.Karadag, H.Yucel - Nucl.Instrum.Methods Phys.Res. A550, 626 (2005)
Thermal neutron cross-section and resonance integral for $^{164}\text{Dy}(n, \gamma) ^{165}\text{Dy}$ reaction
- 2005KA34 O.Kavatsyuk, M.Kavatsyuk, L.Batist, A.Banu, F.Becker, A.Blazhev, W.Bruchle, J.Doring, T.Faestermann, M.Gorska, H.Grawe, Z.Janas, A.Jungclaus, M.Karny, R.Kirchner, M.La Commara, S.Mandal, C.Mazzocchi, I.Mukha, S.Muralithar, C.Plettner, A.Plochocki, E.Roeckl, M.Romoli, M.Schadel, R.Schwengner, J.Zylicz - Eur.Phys.J. A 25, 211 (2005)
Beta decay of ^{103}Sn
- 2005KAZV T.Kawabata, H.Akimune, H.Fujita, Y.Fujita, M.Fujiwara, K.Hara, K.Hatanaka, M.Itoh, Y.Kanada-Enyo, S.Kishi, K.Nakanishi, H.Sakaguchi, Y.Shimbara, A.Tamii, S.Terashima, M.Uchida, T.Wakasa, Y.Yasuda, H.P.Yoshida, M.Yosoi - CNS-REP-66, p.40 (2005)
Quadrupole Excitation Strengths and Cluster Structures in ^{11}B
- 2005KAZX V.G.Kalinnikov, Z.Hons, V.I.Stegailov, P.Chaloun - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.72 (2005)
Decay of ^{160}Ho (3 s)
- 2005KAZY V.G.Kalinnikov, V.I.Stegailov, A.V.Sushkov, P.Chaloun, Ya.V.Yushkevich - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.58 (2005)
Measurement of Lifetimes of some $^{156,158,160}\text{Ho}$ Levels by Delayed Coincidence Method

REFERENCES

- 2005KAZZ O.R.Kakuee, M.A.G.Alvarez, M.V.Andres, S.Cherubini, T.Davinson, A.Di Pietro, W.Galster, J.Gomez-Camacho, A.M.Laird, M.Lamehi-Rachti, I.Martel, A.M.Moro, J.Rahighi, A.M.Sanchez-Benitez, A.C.Shotter, W.B.Smith, J.Vervier, P.J.Woods - nucl-ex/0507024,7/18/2005 (2005)
Long range absorption in the scattering of ^6He on ^{208}Pb and ^{197}Au at 27 MeV
- 2005KE05 W.Ketter, W.Heil, G.Badurek, M.Baron, R.Loidl, H.Rauch - J.Res.Natl.Inst.Stand.Technol. 110, 241 (2005)
Measurement of the Coherent Neutron Scattering Length of ^3He
- 2005KEZZ K.Kettern, I.Spahn, S.Spellerberg, S.M.Qaim, H.H.Coenen - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 758 (2005); AIP Conf.Proc. 769 (2005)
Nuclear Reaction Cross-Section Measurements via Characterization of Soft Radiation Emitting Products
- 2005KH13 D.T.Khoa, H.G.Bohlen, W.von Oertzen, G.Bartnitzky, A.Blazevic, F.Nuoffer, B.Gebauer, W.Mittig, P.Roussel-Chomaz - Nucl.Phys. A759, 3 (2005)
Study of refractive structure in the inelastic $^{16}\text{O} + ^{16}\text{O}$ Image scattering at the incident energies of 250 to 1120 MeV
- 2005KI11 T.Kishimoto, T.Hayakawa, S.Ajimura, S.Minami, A.Sakaguchi, Y.Shimizu, R.E.Chrien, M.May, P.Pile, A.Rusek, R.Sutter, H.Noumi, H.Tamura, M.Ukai, Y.Miura, K.Tanida - Nucl.Phys. A754, 383c (2005)
Kaonic nuclei probed by the in-flight (K^- , n) reaction
- 2005KIZV G.G.Kiss, Zs.Fulop, Gy.Gyurky, Z.Mate, E.Somorjai, D.Galaviz, A.Zilges - ATOMKI 2004 Ann.Rept., p.14 (2005)
Study of low energy α -scattering on ^{89}Y
- 2005KLZZ T.Klechneva, C.Carasco, I.Goussev, M.Hauger, J.Jourdan, B.Krusche, H.Muehry, Ch.Normand, D.Rohe, D.Seliverstov, I.Sick, G.Testa, G.Warren, H.Wohrle, M.Zeier - nucl-ex/0509008,9/05/2005 (2005)
Vector and Tensor Analyzing Powers of the $^1\text{H}((d(\text{pol}), \gamma)^3\text{He}$ -capture reaction
- 2005K031 R.L.Kozub, D.W.Bardayan, J.C.Batchelder, J.C.Blackmon, C.R.Brune, A.E.Champagne, J.A.Cizewski, T.Davinson, U.Greife, C.J.Gross, C.C.Jewet, R.J.Livesay, Z.Ma, B.H.Moazen, C.D.Nesaraja, J.P.Scott, L.Sahin, D.Shapira, M.S.Smith, J.S.Thomas, P.J.Woods - Nucl.Phys. A758, 753c (2005)
New Limits for the $^{18}\text{F}(p, \alpha)^{15}\text{O}$ Rate in Novae
- 2005KRZY A.Krasznahorkay, F.W.N.de Boer, J.Gulyas, Z.Gacsi, T.J.Ketel, M.Csatlos, L.Csige, M.Hunyadi, J.Van Klinken, A.Krasznahorkay, Jr., A.Vitez - ATOMKI 2004 Ann.Rept., p.3 (2005)
Internal pairs observed in a forbidden $0^- \rightarrow 0^+$ transition: a sign for a neutral boson?

REFERENCES

- 2005KSZZ R.Kshetri, I.Ray, P.Banerjee, R.Raut, A.Goswami, J.M.Chatterjee, S.Chattopadhyay, U.Datta Pramanik, A.Mukherjee, C.C.Dey, S.Bhattacharya, B.Dasmahapatra, M.S.Sarkar, S.Sarkar, S.Bhowal, G.Ganguly, K.S.Golda, R.Kumar, R.P.Singh, S.Muralithar - nucl-ex/0507019,7/13/2005 (2005)
Absence of M2 Retardation in ^{35}Cl : Evidence for Stronger Isospin-Mixing Effects in A=35 Mirror Nuclei
- 2005KU27 S.Kubono, T.Teranishi, M.Notani, H.Yamaguchi, A.Saito, J.J.He, M.Wakabayashi, H.Fujikawa, G.Amadio, H.Baba, T.Fukuchi, S.Shimoura, S.Michimasa, S.Nishimura, M.Nishimura, Y.Gono, A.Odahara, S.Kato, J.Y.Moon, J.H.Lee, C.S.Lee, J.C.Kim, K.I.Hahn, T.Ishikawa, T.Hashimoto, H.Ishiyama, Y.X.Watanabe, M.H.Tanaka, H.Miyatake, Zs.Fulop, V.Guimaraes, R.Lichtenthaler - Nucl.Phys. A758, 733c (2005)
Study of Stellar Reactions in Explosive Hydrogen Burning with CRIB
- 2005KUZV P.Kuusiniemi, F.P.Hessberger, D.Ackermann, S.Hofmann, K.Nishio, B.Sulignano, I.Kojouharov, R.Mann - GSI 2005-1, p.76 (2005)
 α - Decay Fine Structure of ^{213}Ra to ^{209}Rn
- 2005KUZX W.D.Kulp, J.L.Wood, K.S.Krane, J.Loats, P.D.Schmelzenbach, C.J.Stapels, E.B.Norman - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 830 (2005); AIP Conf.Proc. 769 (2005)
An Investigation of ^{154}Eu as a High-Precision Multi- γ -Ray Intensity Calibration Standard for Detector Arrays
- 2005LA19 M.Lach, J.Styczen, W.Meczynski, P.Bednarczyk, A.Bracco, J.Grebosz, A.Maj, J.C.Merdinger, N.Schulz, M.B.Smith, K.M.Spoehr, M.Zieblinski - Eur.Phys.J. A 25, 1 (2005)
Unnatural-parity states in $^{44}_{21}\text{Sc}_{23}$
- 2005LA25 M.La Cognata, A.Musumarra, C.Spitaleri, A.Tumino, C.Bonomo, S.Cherubini, P.Figuera, L.Lamia, M.G.Pellegriti, A.Rinollo, R.G.Pizzone, C.Rolfs, S.Romano, D.Schurmann, F.Strieder, S.Tudisco, S.Typel - Nucl.Phys. A758, 98c (2005)
Study of the $^3\text{He}(d, p)^4\text{He}$ reaction through the Trojan Horse Method
- 2005LE30 R.Lewis, J.Caggiano, A.Parikh, C.Deibel, D.Visser, K.Fear, P.Parker, W.R.Hix - Nucl.Phys. A758, 84c (2005)
 $^{26}\text{Al}^{g,m} + p$ resonances studied via proton decays of ^{27}Si
- 2005LEZW A.I.Levon, I.B.Kovgar, Yu.V.Nosenko, V.A.Onischuk, A.A.Shevchuk - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.81 (2005)
Nuclear g-Factors of High-Spin Isomers in $^{190,192,194}\text{Pt}$ and $^{196,198}\text{Hg}$
- 2005LI29 A.G.Lipson, A.S.Rusetskii, A.B.Karabut, G.Miley - Zh.Eksp.Teor.Fiz. 127, 1334 (2005); J.Exper.Theo.Phys. 100, 1175 (2005)
DD Reaction Enhancement and X-ray Generation in a High-Current Pulsed Glow Discharge in Deuterium with Titanium Cathode at 0.8-2.45 kV

REFERENCES

- 2005LI35 Z.H.Li, B.Guo, W.-P.Liu, X.-X.Bai, G.Lian, J.Su, S.-Q.Yan, B.-X.Wang, S.Zeng - Chin.Phys.Lett. 22, 1870 (2005)
Radius of ${}^9\text{C}$ from the Asymptotic Normalization Coefficient
- 2005LI40 W.Liu, Z.Li, X.Bai, G.Lian, B.Guo, S.Zeng, S.Yan, B.Wang, N.Shu, K.Wu Y.Chen - Nucl.Phys. A758, 110c (2005)
Nuclear Astrophysics Experiments at CIAE
- 2005LIZY Z.Liu, P.J.Woods, K.Schmidt, H.Mahmud, P.S.L.Munro, A.Blazhev, J.Doring, H.Grawe, M.Hellstrom, R.Kirchner, Z.K.Li, C.Mazzocchi, I.Mukha, C.Plettner, E.Roeckl, M.La Commara - GSI 2005-1, p.85 (2005)
Reinvestigation of direct proton decay of ${}^{105}\text{Sb}$
- 2005LIZZ Yu.A.Litvinov, D.Boutin, L.Chen, H.Geissel, E.Kaza, C.Kozhuharov, S.A.Litvinov, M.Matos, Yu.N.Novikov, W.Plass, C.Scheidenberger, G.Vorobjev, H.Weick, F.Attallah, K.Beckert, P.Beller, F.Bosch, L.Caceres, J.J.Carroll, R.S.Chakrawarthy, D.Cullen, B.Franczak, B.Franzke, J.Gerl, E.Greda, M.Hausmann, G.Jones, A.Kishada, O.Klepper, H.-J.Kluge, R.Knobel, R.Koyama, K.L.Kratz, E.Kulich, N.Kuzminchuk, Z.Liu, S.Mandal, F.Montes, G.Munzenberg, F.Nolden, T.Ohtsubo, A.Ostrowski, A.Ozawa, Z.Patyk, B.Pfeiffer, Z.Podolyak, M.Portillo, R.Propri, T.Radon, S.Rigby, N.Saito, T.Saito, H.Schatz, M.Shindo, J.Stadlmann, M.Steck, K.Summerer, T.Suzuki, P.Ugorowski, D.Vieira, P.M.Walker, S.Watanabe, S.Williams, M.Winkler, T.Winkler, H.-J.Wollersheim, H.Wollnik, T.Yamaguchi - GSI 2005-1, p.79 (2005)
Direct Mass Measurements of Stored exotic Nuclei
- 2005L006 S.J.Lokitz, G.E.Mitchell, J.F.Shriner, Jr. - Phys.Rev. C 71, 064315 (2005)
Test of ${}^{45}\text{Sc}$ level densities with proton resonances
- 2005MA44 F.E.Maas, for the A4-Collaboration - Prog.Part.Nucl.Phys. 55, 320 (2005)
The Mainz A4 parity violation experiment (single spin asymmetries in elastic scattering)
- 2005MA45 T.Maruta, S.Ajimura, K.Aoki, A.Banu, H.Bhang, T.Fukuda, O.Hashimoto, J.I.Hwang, S.Kameoka, B.H.Kang, E.H.Kim, J.H.Kim, M.J.Kim, Y.Miura, Y.Miyake, T.Nagae, M.Nakamura, S.N.Nakamura, H.Noumi, S.Okada, Y.Okayasu, H.Outa, H.Park, P.K.Saha, Y.Sato, M.Sekimoto, T.Takahashi, H.Tamura, K.Tanida, A.Toyoda, K.Tsukada, T.Watanabe, H.J.Yim - Nucl.Phys. A754, 168c (2005)
Proton asymmetry in non-mesonic weak decay of light hypernuclei
- 2005MA48 J.W.Martin, for the G^0 Collaboration - Nucl.Phys. A755, 245c (2005)
The Strange Form Factors of the Proton and the G^0 Experiment
- 2005MA51 G.K.Mabala, E.Gueorguieva, J.F.Sharpey-Schafer, M.Benatar, R.W.Fearick, K.I.Korir, J.J.Lawrie, S.M.Mullins, S.H.T.Murray, N.J.Ncapayi, R.T.Newman, D.G.Roux, F.D.Smit, R.Wyss - Eur.Phys.J. A 25, 49 (2005)
Shears band with a large dynamic moment of inertia in ${}^{197}\text{Bi}$
- 2005MA52 H.Makii, K.Mishima, M.Segawa, E.Sano, H.Ueda, T.Shima, Y.Nagai, M.Igashira, T.Ohsaki - Nucl.Instrum.Methods Phys.Res. A547, 411 (2005)

REFERENCES

- Measurement system of the γ -ray angular distributions of the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ reaction
- 2005MA55 N.Marginean, C.Rusu, D.Bucurescu, C.Rossi Alvarez, C.A.Ur, D.Bazzacco, S.Lunardi, P.Pavan, G.de Angelis, M.Axiotis, E.Farnea, A.Gadea, M.Ionescu-Bujor, A.Iordachescu, W.Krolas, Th.Kroll, S.M.Lenzi, T.Martinez, R.Menegazzo, D.R.Napoli, B.Quintana, P.Spolaore, Y.H.Zhang, J.Wrzesinski - Phys.Rev. C 72, 014302 (2005); Erratum Phys.Rev. C 72, 039903 (2005)
Identification of excited states and shell model description of the $N = Z + 1$ nucleus ^{91}Rh
- 2005MA59 C.Mazzocchi, R.Grzywacz, J.C.Batchelder, C.R.Bingham, D.Fong, J.H.Hamilton, J.K.Hwang, M.Karny, W.Krolas, S.N.Liddick, A.F.Lisetskiy, A.C.Morton, P.F.Mantica, W.F.Mueller, K.P.Rykaczewski, M.Steiner, A.Stolz, J.A.Winger - Phys.Lett. B 622, 45 (2005)
Low energy structure of even-even Ni isotopes close to ^{78}Ni
- 2005MA69 H.Makii, Y.Nagai, T.Shima, M.Segawa, H.Ueda, T.Masaki, K.Mishima, M.Igashira, T.Ohsaki, S.Okabe - Nucl.Phys. A758, 371c (2005)
Measurement of the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ Reaction Cross Section Using Pulsed α Beams
- 2005MA71 C.Matei, C.R.Brune - Nucl.Phys. A758, 403c (2005)
Branching ratio measurements of the 7.12-MeV state in ^{16}O
- 2005MA73 S.Marrone, for the n_TOF Collaboration - Nucl.Phys. A758, 533c (2005)
Measurement of the $^{151}\text{Sm}(n, \gamma)^{152}\text{Sm}$ cross section at n_TOF
- 2005MAZN Y.Maeda, K.Fujita, M.B.Greenfield, Y.Hagiwara, K.Hatanaka, M.Hatano, K.Itoh, H.Kamada, J.Kamiya, T.Kawabata, H.Kuboki, T.Kudoh, Y.Nagasue, H.Okamura, T.Saito, H.Sakai, Y.Sakemi, M.Sasano, K.Sekiguchi, Y.Shimizu, K.Suda, A.Tamii, T.Wakasa, K.Yako - CNS-REP-66, p.38 (2005)
Measurements of the nd Elastic Scattering at 250 MeV and Three Nucleon Force Effects
- 2005MAZO N.L.Maidana, V.R.Vanin, R.M.Castro, P.R.Pascholati, O.Helene, M.S.Dias, M.F.Koskinas - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1466 (2005); AIP Conf.Proc. 769 (2005)
 $^{232}\text{Th}(n, \gamma)^{233}\text{Th}$ Thermal Reaction Cross-Section Measurement
- 2005MAZP W.Mannhart, D.Schmidt - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 609 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Neutron Reaction Cross Sections between 8 and 14 MeV
- 2005MAZQ T.N.Massey, S.M.Grimes, M.T.Wenner, A.Haghighat, J.M.Adams, A.D.Carlson - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 480 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Neutron Transmission Through Iron Spheres

REFERENCES

- 2005MEZY P.Mermod, J.Blomgren, B.Bergenwall, A.Hildebrand, C.Johansson, J.Klug, L.Nilsson, N.Olsson, M.Osterlund, S.Pomp, U.Tippawan, O.Jonsson, A.Prokofiev, P.-U.Renberg, P.Nadel-Turonski, Y.Maeda, H.Sakai, A.Tamii - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 688 (2005); AIP Conf.Proc. 769 (2005)
Investigation of Three-Body Force Effects in Neutron-Deuteron Scattering at 95 MeV
- 2005MI19 Y.Miura, S.Ajimura, Y.Fujii, T.Fukuda, O.Hashimoto, H.Hotchi, K.Imai, W.Imoto, Y.Kakiguchi, S.Kameoka, A.Krutenkova, T.Maruta, A.Matsumura, K.Miwa, K.Mizunuma, S.N.Nakamura, T.Nagae, H.Nomura, H.Noumi, H.Outa, P.K.Saha, T.Saitoh, Y.Sato, M.Sekimoto, T.Takahashi, H.Tamura, K.Tanida, A.Toyoda, M.Ukai, H.Yamauchi - Nucl.Phys. A754, 75c (2005)
 γ spectroscopy of ${}_{\Lambda}^{11}\text{B}$
- 2005MI20 K.Miwa, K.Tanida, H.Akikawa, Y.Fukao, E.Hiyama, H.Hotchi, K.Imai, Y.Miura, K.Mizunuma, S.N.Nakamura, M.Niiyama, S.Ota, P.K.Saha, H.Takahashi, T.Takahashi, H.Tamura, S.Terashima, M.Togawa, M.Ukai - Nucl.Phys. A754, 80c (2005)
High-resolution γ -ray spectroscopy of hyperfragments produced by stopped K^- reactions
- 2005MIZU S.Michimasa, S.Shimoura, H.Iwasaki, M.Tamaki, S.Ota, N.Aoi, H.Baba, N.Iwasa, S.Kanno, S.Kubono, K.Kurita, M.Kurokawa, T.Minemura, T.Motobayashi, M.Notani, H.J.Ong, A.Saito, H.Sakurai, E.Takeshita, S.Takeuchi, Y.Yanagisawa, A.Yoshida - CNS-REP-66, p.26 (2005)
Proton Single Particle States in ${}^{23}\text{F}$
- 2005MIZV S.Michimasa, S.Shimoura, H.Iwasaki, M.Tamaki, S.Ota, N.Aoi, H.Baba, N.Iwasa, S.Kanno, S.Kubono, K.Kurita, M.Kurokawa, T.Minemura, T.Motobayashi, M.Notani, H.J.Ong, A.Saito, H.Sakurai, S.Takeuchi, E.Takeshita, Y.Yanagisawa, A.Yoshida - RIKEN Accelerator Progress Report 2004, p.51 (2005)
Proton single particle states in ${}^{23}\text{F}$
- 2005MIZW K.Miernik, L.Batist, A.Blazhev, T.Faestermann, M.Gorska, H.Grawe, Z.Janas, M.Karny, M.Kavatsyuk, O.Kavatsyuk, R.Kirchner, M.La Commara, C.Mazzocchi, I.Mukha, C.Plettner, A.Plochocki, E.Roeckl, K.Rykaczewski, K.Schmidt - GSI 2005-1, p.84 (2005)
Beta decay studies of ${}^{106}\text{Sb}$ and ${}^{107}\text{Sb}$
- 2005MIZX I.Miyazaki, T.Shimizu, M.Shibata, K.Kawade, A.Taniguchi, H.Harada, K.Furutaka, H.Sakane - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 996 (2005); AIP Conf.Proc. 769 (2005)
Reliability of Prompt γ -Ray Intensities for the Measurement of Neutron Capture Cross Sections

REFERENCES

- 2005MIZY L.C.Mihailescu, C.Borcea, A.J.M.Plompen - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 973 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Neutron Inelastic Scattering Cross Sections for ^{209}Bi from Threshold up to 18 MeV
- 2005MIZZ R.Michel, W.Glasser, U.Herpers, H.Schuhmacher, H.J.Brede, V.Dangendorf, R.Nolte, P.Malmborg, A.V.Prokofiev, A.N.Smirnov, I.Rishkov, D.Kollar, J.P.Meulders, M.Duijvestijn, A.Koning - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 861 (2005); AIP Conf.Proc. 769 (2005)
Residual Nuclide Production from Iron, Lead, and Uranium by Neutron-Induced Reactions up to 180 MeV
- 2005M020 O.Moller, N.Warr, J.Jolie, A.Dewald, A.Fitzler, A.Linnemann, K.O.Zell, P.E.Garrett, S.W.Yates - Phys.Rev. C 71, 064324 (2005)
E2 transition probabilities in ^{114}Te : A conundrum
- 2005M028 J.Y.Moon, C.S.Lee, J.H.Lee, C.C.Yun, J.C.Kim, M.Youn, S.Kubono, T.Teranishi, J.J.He, M.Notani, S.Nishimura, M.Nishimura, V.Guimaraes, R.F.Lichtenthaler, S.Kato - Nucl.Phys. A758, 158c (2005)
Study of proton resonances in ^{26}Si and ^{27}P by using the ^{25}Al and ^{26}Si radioactive ion beams
- 2005M030 F.Montes, H.Schatz, A.Aprahamian, O.Arndt, A.Estrade, K.-L.Kratz, S.N.Liddick, P.F.Mantica, W.F.Mueller, P.Hosmer, A.C.Morton, M.Ouellette, E.Pellegrini, B.Pfeiffer, P.Reeder, P.Santi, A.Stolz, B.E.Tomlin, W.B.Walters, A.Wohr - Nucl.Phys. A758, 643c (2005)
 β -Decay Studies Close to the N=82 r-process Path
- 2005M0ZR J.Y.Moon, C.S.Lee, J.H.lee, C.C.Yun, J.C.Kim, M.Youn, S.Kubono, T.Teranishi, J.J.He, M.Notani, S.Nishimura, M.Nishimura, V.Guimaraes, R.F.Lichtenthaler, S.Kato - CNS-REP-66, p.6 (2005)
Study of the Proton Resonance States in ^{27}P by using a Radioactive Beam of ^{26}Si
- 2005M0ZS K.Morita, K.Morimoto, D.Kaji, T.Akiyama, S.Goto, H.Haba, E.Ideguchi, R.Kanungo, K.Katori, H.Koura, H.Kudo, T.Ohnishi, A.Ozawa, T.Suda, K.Sueki, H.Xu, T.Yamaguchi, A.Yoneda, A.Yoshida, Y.-L.Zhao - RIKEN Accelerator Progress Report 2004, p.70 (2005)
Experiment on synthesis of element 113 in reaction $^{209}\text{Bi}(^{70}\text{Zn}, n)^{278}113$
- 2005M0ZT K.Morita, K.Morimoto, D.Kaji, T.Akiyama, S.Goto, H.Haba, E.Ideguchi, H.Koura, H.Kudo, T.Ohnishi, A.Ozawa, T.Suda, K.Sueki, H.Xu, T.Yamaguchi, A.Yoneda, A.Yoshida, Y.-L.Zhao - RIKEN Accelerator Progress Report 2004, p.69 (2005)
Experiments on synthesis of isotope $^{277}112$ by $^{208}\text{Pb} + ^{70}\text{Zn}$ reaction

REFERENCES

- 2005MOZU J.Y.Moon, C.-S.Lee, J.-H.Lee, C.C.Yun, J.C.Kim, M.Youn, S.Kubono, T.Teranishi, J.J.He, M.Notani, S.Nishimura, M.Kurata-Nishimura, S.Kato, V.Guimaraes, R.F.Lichtenthaler - RIKEN Accelerator Progress Report 2004, p.63 (2005)
Study of astrophysically important resonance states in ^{26}Si and ^{27}P using radioactive ion beams
- 2005MOZV M.Mosconi, and the n_TOF Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1335 (2005); AIP Conf.Proc. 769 (2005)
Neutron Capture Cross Sections for the Re / Os Clock
- 2005MOZW C.Moreau, and the n_TOF Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 880 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Capture Cross Sections of $^{90,91,92,94,96}\text{Zr}$ Isotopes at n_TOF
- 2005MU15 I.Mukha, E.Roeckl, J.Doring, L.Batist, A.Blazhev, H.Grawe, C.R.Hoffman, M.Huyse, Z.Janas, R.Kirchner, M.La Commara, C.Mazzocchi, C.Plettner, S.L.Tabor, P.Van Duppen, M.Wiedeking - Phys.Rev.Lett. 95, 022501 (2005)
Observation of Proton Radioactivity of the (21^+) High-Spin Isomer in ^{94}Ag
- 2005MU21 G.Muhrer, E.J.Pitcher, G.J.Russell, F.Maekawa, Y.Kasugai, H.Takada - Nucl.Instrum.Methods Phys.Res. A547, 555 (2005)
Comparison of calculated and measured high energy neutron reaction rates at the manual Jr. Lujan Center Spallation Source
- 2005MU22 S.Mukherjee, N.L.Singh, G.Kiran Kumar, L.Chaturvedi - Phys.Rev. C 72, 014609 (2005)
Measurement and analysis of isomeric cross section ratios in the reaction $^{93}\text{Nb}(\alpha, 2n)^{95}\text{Tc}$: Pre-equilibrium reaction mechanism
- 2005MU26 I.Mukha, M.Kavatsyuk, A.Algora, L.Batist, A.Blazhev, J.Doring, H.Grawe, M.Hellstrom, O.Kavatsyuk, R.Kirchner, M.La Commara, C.Mazzocchi, C.Plettner, E.Roeckl - Nucl.Phys. A758, 647c (2005)
The reaction of triple radiative capture $\alpha\alpha(n, \gamma)^9\text{Be}$ studied in a β decay of ^9Li
- 2005MUZX I.Mukha, E.Roeckl, L.Batist, A.Blazhev, J.Doring, H.Grawe, L.Grigorenko, C.Hoffman, M.Huyse, Z.Janas, R.Kirchner, M.La Commara, C.Mazzocchi, C.Plettner, S.L.Tabor, P.Van Duppen, M.Wiedeking - GSI 2005-1, p.87 (2005)
Two-proton radioactivity of ^{94m}Ag (21^+)
- 2005MUZY P.Mutti, H.Beer, A.Brusegan, F.Corvi, R.Gallino - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1327 (2005); AIP Conf.Proc. 769 (2005)
New Kr Cross Sections and Astrophysical Constraints on Presolar Grains

REFERENCES

- 2005NA28 B.S.Nara Singh, M.Hass, G.Goldring, D.Ackermann, J.Gerl, F.P.Hessberger, S.Hofmann, I.Kojouharov, P.Kuusiniemi, H.Schaffner, B.Sulignano, B.A.Brown - Phys.Rev. C 72, 027303 (2005)
Parity nonconservation in the γ decay of polarized $17 / 2^-$ isomers in ^{93}Tc
- 2005NA30 H.Nassar, M.Paul, S.Ghelberg, A.Ofan, N.Trubnikov, Y.Ben-Dov, M.Hass, B.S.Nara Singh - Nucl.Phys. A758, 411c (2005)
Study of the supernova nucleosynthesis $^{40}\text{Ca}(\alpha, \gamma)^{44}\text{Ti}$ reaction: progress report
- 2005NA31 Y.Nagai, A.Tomyo, Y.Temma, M.Segawa, T.Shima, H.Makii, M.Igashira, T.Ohsaki - Nucl.Phys. A758, 537c (2005)
Measurement of the keV neutron capture cross section of ^{62}Ni
- 2005NA32 B.S.Nara Singh, M.Hass, Y.Nir-El, G.Haquin - Nucl.Phys. A758, 689c (2005)
A New Precision Measurement of the $^3\text{He}(^4\text{He}, \gamma)^7\text{Be}$ Cross section
- 2005NAZW H.Nassar, M.Paul, I.Ahmad, Y.Ben-Dov, J.Caggiano, S.Ghelberg, S.Goriely, J.P.Greene, M.Hass, A.Heger, A.Heinz, D.J.Henderson, R.V.F.Janssens, C.L.Jiang, Y.Kashiv, B.S.Nara Singh, A.Ofan, R.C.Pardo, T.Pennington, K.E.Rehm, G.Savard, R.Scott, R.Vondrasek - nucl-ex/0509006,9/03/2005 (2005)
The $^{40}\text{Ca}(\alpha, \gamma)^{44}\text{Ti}$ reaction in the energy regime of supernova nucleosynthesis
- 2005NAZY M.Nakao, J.Hori, K.Ochiai, S.Sato, M.Yamauchi, N.S.Ishioka, T.Nishitani - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1489 (2005); AIP Conf.Proc. 769 (2005)
Measurements of Deuteron-Induced Activation Cross Sections for IFMIF Accelerator Structural Material
- 2005NEZY R.O.Nelson, N.Fotiades, M.Devlin, J.A.Becker, P.E.Garrett, W.Younes - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 838 (2005); AIP Conf.Proc. 769 (2005)
Cross-Section Standards for Neutron-Induced Gamma-Ray Production in the MeV Energy Range
- 2005NIZT M.Niikura, E.Ideguchi, T.Fukuchi, H.Baba, N.Hokoiwa, C.Ishida, H.Iwasaki, T.Koike, T.Komatsubara, T.Kubo, M.Kurokawa, S.Michimasa, K.Miyakawa, K.Morimoto, T.Ohnishi, S.Ota, A.Ozawa, S.Shimoura, T.Suda, M.Tamaki, I.Tanihata, Y.Wakabayashi, K.Yoshida - CNS-REP-66, p.22 (2005)
Study of High-Spin States in $^{49-51}\text{Ti}$
- 2005NIZU S.Nishimura, M.Kurata-Nishimura, H.Fujikawa, A.Guilherume, J.J.He, S.Kubono, H.Yamaguchi, T.Teranishi, Y.Wakabayashi, S.Bishop, M.Kurokawa, T.Kishida, T.Motobayashi - CNS-REP-66, p.9 (2005)
Study of Low Energy Nuclear Reaction Measurements using Monolithic Silicon Telescope at CRIB

REFERENCES

- 2005NIZV M.Niikura, E.Ideguchi, T.Fukuchi, H.Baba, N.Hokoiwa, C.Ishida, H.Iwasaki, T.Koike, T.Komatsubara, T.Kubo, M.Kurokawa, S.Michimasa, K.Miyakawa, K.Morimoto, T.Ohnishi, S.Ota, A.Ozawa, S.Shimoura, T.Suda, M.Tamaki, I.Tanihata, Y.Wakabayashi, K.Yoshida - RIKEN Accelerator Progress Report 2004, p.67 (2005)
Excitation function measurement of neutron-rich Ti isotope by secondary fusion reaction
- 2005NIZW K.Nishio, H.Ikezoe, Y.Nagame, M.Asai, K.Tsukada, S.Mitsuoka, K.Tsuruta, K.Satou, C.J.Lin, T.Ohsawa - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 977 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Evaporation Residue Cross Sections for the Sub-barrier $^{16}\text{O} + ^{238}\text{U}$ Reaction
- 2005OH08 T.Ohtsubo, F.Bosch, H.Geissel, L.Maier, C.Scheidenberger, F.Attallah, K.Beckert, P.Beller, D.Boutin, T.Faestermann, B.Franczak, B.Franzke, M.Hausmann, M.Hellstrom, E.Kaza, P.Kienle, O.Klepper, H.-J.Kluge, C.Kozhuharov, Yu.A.Litvinov, M.Matos, G.Munzenberg, F.Nolden, Yu.N.Novikov, M.Portillo, T.Radon, J.Stadlmann, M.Steck, T.Stohlker, K.Summerer, K.Takahashi, H.Weick, M.Winkler, T.Yamaguchi - Phys.Rev.Lett. 95, 052501 (2005); Erratum Phys.Rev.Lett. 95, 069901 (2005)
Simultaneous Measurement of β^- Decay to Bound and Continuum Electron States
- 2005OHZX K.Ohgama, M.Igashira, T.Ohsaki - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 945 (2005); AIP Conf.Proc. 769 (2005)
Systematic Measurement of keV-Neutron Capture Cross Sections and Capture Gamma-Ray Spectra of Zr Isotopes
- 2005OHZY S.Ohki - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 472 (2005); AIP Conf.Proc. 769 (2005)
Validation of MA Nuclear Data by Sample Irradiation Experiments with the Fast Reactor JOYO
- 2005OK04 S.Okada, S.Ajimura, K.Aoki, A.Banu, H.C.Bhang, T.Fukuda, O.Hashimoto, J.I.Hwang, S.Kameoka, B.H.Kang, E.H.Kim, J.H.Kim, M.J.Kim, T.Maruta, Y.Miura, Y.Miyake, T.Nagae, M.Nakamura, S.N.Nakamura, H.Noumi, Y.Okayasu, H.Outa, H.Park, P.K.Saha, Y.Sato, M.Sekimoto, T.Takahashi, H.Tamura, K.Tanida, A.Toyoda, K.Tsukada, T.Watanabe, H.J.Yim - Nucl.Phys. A754, 178c (2005)
 π^0 decay branching ratios of $^5_\Lambda\text{He}$ and $^{12}_\Lambda\text{C}$ hypernuclei
- 2005ON03 T.K.Onishi, A.Gelberg, H.Sakurai, K.Yoneda, N.Aoi, N.Imai, H.Baba, P.von Brentano, N.Fukuda, Y.Ichikawa, M.Ishihara, H.Iwasaki, D.Kameda, T.Kishida, A.F.Lisetskiy, H.J.Ong, M.Osada, T.Otsuka, M.K.Suzuki, K.Ue, Y.Utsuno, H.Watanabe - Phys.Rev. C 72, 024308 (2005)
Gamow-Teller decay of the $T = 1$ nucleus ^{46}Cr

REFERENCES

- 20050U02 H.Outa, S.Ajimura, K.Aoki, A.Banu, H.C.Bhang, T.Fukuda, O.Hashimoto, J.I.Hwang, S.Kameoka, B.H.Kang, E.H.Kim, J.H.Kim, M.J.Kim, T.Maruta, Y.Miura, Y.Miyake, T.Nagae, M.Nakamura, S.N.Nakamura, H.Noumi, S.Okada, Y.Okayasu, H.Park, P.K.Saha, Y.Sato, M.Sekimoto, T.Takahashi, H.Tamura, K.Tanida, A.Toyoda, K.Tsukada, T.Watanabe, H.J.Yim - Nucl.Phys. A754, 157c (2005)
Hypernuclear weak decay experiments at KEK: n-n and n-p coincidence measurement
- 2005PA39 K.D.Paschke, for the HAPPEX Collaborations - Nucl.Phys. A755, 241c (2005)
The Second Generation HAPPEX Experiments
- 2005PA41 J.H.Park, C.S.Lee, Y.K.Kwon, J.H.Lee, J.Y.Kim, K.B.Lee, H.Park - J.Korean Phys.Soc. 47, 23 (2005)
Activation Cross Section Measurements of $^{16}\text{O}(n, ^3\text{He})^{14}\text{C}$ and $^{16}\text{O}(n, t)^{14}\text{N}$ above Neutron Thresholds up to 18.1 MeV
- 2005PA42 J.Pakarinen, I.G.Darby, S.Eeckhaudt, T.Enqvist, T.Grahn, P.T.Greenlees, V.Hellemans, K.Heyde, F.Johnston-Theasby, P.Jones, R.Julin, S.Juutinen, H.Kettunen, M.Leino, A.-P.Leppanen, P.Nieminen, M.Nyman, R.D.Page, P.M.Raddon, P.Rahkila, C.Scholey, J.Uusitalo, R.Wadsworth - Phys.Rev. C 72, 011304 (2005)
Evidence for oblate structure in ^{186}Pb
- 2005PA48 D.Pantelica, I.Gh.Stefan, N.Nica, M.-G.Porquet, G.Duchene, A.Astier, S.Courtin, I.Deloncle, F.Hoellinger, A.Bauchet, N.Buform, L.Donadille, O.Dorvaux, J.Duprat, B.J.P.Gall, C.Gautherin, T.Kutsarova, S.Lalkovski, R.Lucas, M.Meyer, A.Minkova, A.Prevoist, N.Redon, N.Schulz, H.Sergolle, O.Stezowski, Ts.Venkova, A.Wilson - Phys.Rev. C 72, 024304 (2005)
High-spin states in $^{92-96}\text{Zr}$ nuclei
- 2005PA50 Y.Parpottas, S.M.Grimes, S.Al-Quraishi, C.R.Brune, T.N.Massey, J.E.O'Donnell, J.E.Oldendick, A.Salas, R.T.Wheeler - Phys.Rev. C 72, 025802 (2005)
The $^{17}\text{F}(p, \gamma)^{18}\text{Ne}^{3+}$ resonance state studied with the $^{16}\text{O}(^3\text{He}, n)^{18}\text{Ne}$ reaction
- 2005PAZW A.Pavlik, P.Baumann, C.Borcea, E.Jericha, S.Jokic, M.Kerveno, S.Lukic, J.P.Meulders, L.C.Mihailescu, R.Nolte, A.J.M.Plompen, I.Raskinyte, G.Rudolf, and the n_TOF Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 876 (2005); AIP Conf.Proc. 769 (2005)
Cross-Section Measurements for (n, xn) Reactions by In-Beam Gamma-Ray Spectroscopy
- 2005PAZY Yu.N.Pavlenko, V.L.Shablov, F.I.Karmanov, V.N.Dobrikov, O.K.Gorpinich, V.O.Kyva, I.N.Kolomiets - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.179 (2005)
On Excited States of ^5He in the Reactions $^6\text{Li}(d, ^3\text{He})^5\text{He}$ and $^7\text{Li}(d, ^4\text{He})^5\text{He}$

REFERENCES

- 2005PE12 K.Perajarvi, J.Cerny, J.Hakala, J.Huikari, A.Jokinen, P.Karvonen, J.Kurpeta, D.Lee, I.Moore, H.Penttila, A.Popov, J.Aysto - Nucl.Instrum.Methods Phys.Res. A546, 418 (2005)
New ion-guide for the production of beams of neutron-rich nuclei between $Z = 20 - 28$
- 2005PI13 J.A.Pinston, J.Genevey, R.Orlandi, A.Scherillo, G.S.Simpson, I.Tsekhanovich, W.Urban, H.Faust, N.Warr - Phys.Rev. C 71, 064327 (2005)
Shape coexistence in the very neutron-rich odd-odd ^{96}Rb
- 2005PL04 R.Plug, M.Heil, F.Kappeler, R.Reifarth, K.Wisshak - Nucl.Phys. A758, 415c (2005)
An independent measurement of the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ cross section with the Karlsruhe 4π BaF₂ detector
- 2005PR16 S.Prakhov, and the Crystal Ball Collaboration - Phys.Rev. C 72, 025201 (2005)
Measurement of the branching ratio for $\eta \rightarrow \pi^0 \gamma\gamma$ decay
- 2005QIZZ Z.Qin, D.Ackermann, W.Bruchle, F.P.Hessberger, E.Jager, P.Kuusiniemi, G.Munzenberg, D.Nayak, E.Schimpf, M.Schadel, B.Schausten, A.Semchenkov, B.Sulignano, K.Eberhardt, J.V.Kratz, D.Liebe, P.Thorle, Yu.N.Novikov - GSI 2005-1, p.75 (2005)
Search for the "missing" α -decay branch in ^{239}Cm
- 2005RAZZ A.Ray, P.Das, S.K.Saha, S.K.Das, J.J.Das, N.Madhavan, S.Nath, P.Sugathan, P.V.M.Rao, A.Jhingan - nucl-ex/0509021,9/15/2005 (2005)
Change of ^7Be decay rate in exohedral and endohedral C₆₀ fullerene compounds and its implications
- 2005RE14 P.Reiter, T.L.Khoo, I.Ahmad, A.V.Afanasjev, A.Heinz, T.Lauritsen, C.J.Lister, D.Seweryniak, P.Bhattacharyya, P.A.Butler, M.P.Carpenter, A.J.Chewter, J.A.Cizewski, C.N.Davids, J.P.Greene, P.T.Greenlees, K.Helariutta, R.-D.Herzberg, R.V.F.Janssens, G.D.Jones, R.Julin, H.Kankaanpaa, H.Kettunen, F.G.Kondey, P.Kuusiniemi, M.Leino, S.Siem, A.A.Sonzogni, J.Uusitalo, I.Wiedenhover - Phys.Rev.Lett. 95, 032501 (2005)
Structure of the Odd-A, Shell-Stabilized Nucleus $^{253}_{102}\text{No}$
- 2005RE22 R.Reifarth, M.Heil, R.Plug, U.Besserer, S.Dababneh, L.Dorr, J.Gorres, R.C.Haight, F.Kappeler, A.Mengoni, S.O'Brien, N.Patronis, R.S.Rundberg, M.Wiescher, J.B.Wilhelmy - Nucl.Phys. A758, 787c (2005)
Stellar neutron capture rates of ^{14}C
- 2005RI11 L.A.Riley, M.A.Abdelqader, D.Bazin, M.J.Bojazi, B.A.Brown, C.M.Campbell, J.A.Church, P.D.Cottle, D.-C.Dinca, J.Enders, A.Gade, T.Glasmacher, M.Honma, S.Horibe, Z.Hu, K.W.Kemper, W.F.Mueller, H.Olliver, T.Otsuka, B.C.Perry, B.T.Roeder, B.M.Sherrill, T.P.Spencer, J.R.Terry - Phys.Rev. C 72, 024311 (2005)
Thick-target inverse-kinematics proton scattering from ^{46}Ar and the $N = 28$ shell below ^{48}Ca

REFERENCES

- 2005RI13 A.Rinollo, S.Romano, C.Spitaleri, C.Bonomo, S.Cherubini, A.Del Zoppo, P.Figuera, M.La Cognata, L.Lamia, A.Musumarra, M.G.Pellegriti, R.G.Pizzone, C.Rolfs, D.Schurmann, F.Strieder, S.Tudisco, A.Tumino - Nucl.Phys. A758, 146c (2005)
Measurement of cross section and astrophysical factor of the d(d, p)t reaction using the Trojan Horse Method
- 2005R019 A.P.Robinson, P.J.Woods, D.Seweryniak, C.N.Davids, M.P.Carpenter, A.A.Hecht, D.Peterson, S.Sinha, W.B.Walters, S.Zhu - Phys.Rev.Lett. 95, 032502 (2005)
Ground State Proton Radioactivity from ^{121}Pr : When Was This Exotic Nuclear Decay Mode First Discovered ?
- 2005R021 T.Rostomyan, for the GDH and A2 Collaborations - Nucl.Phys. A755, 451c (2005)
Helicity dependence of pion photoproduction on the proton: new results from Mainz
- 2005R029 C.D.Roper, W.Tornow, R.T.Braun, Q.Chen, A.Crowell, D.Gonzalez Trotter, C.R.Howell, F.Salinas, R.Setze, R.L.Walter, Z.Chen, H.Tang, Z.Zhou - Phys.Rev. C 72, 024605 (2005)
Measurements of $A_y(\theta)$ for $^{12}\text{C}(n, n)^{12}\text{C}$ from $E_n = 2.2$ to 8.5 MeV
- 2005RU14 G.Rusev, R.Schwengner, F.Donau, S.Frauendorf, L.Kaubler, L.K.Kostov, S.Mallion, K.D.Schilling, A.Wagner, E.Grosse, H.von Garrel, U.Kneissl, C.Kohstall, M.Kreutz, H.H.Pitz, M.Scheck, F.Stedile, P.von Brentano, J.Jolie, A.Linnemann, N.Pietralla, V.Werner - Phys.Rev.Lett. 95, 062501 (2005)
Decay of 1^+ States as a New Probe of the Structure of 0^+ Shape Isomers
- 2005RU15 C.Ruiz, M.Aliotta, R.E.Azuma, R.N.Boyd, L.Buchmann, A.Chen, N.M.Clarke, J.M.D'Auria, T.Davinson, B.R.Fulton, D.Groombridge, D.Hutcheon, A.M.Laird, A.S.Murphy, J.Pearson, I.Roberts, A.Robinson, F.Sarazin, A.C.Shotter, P.Walden, P.J.Woods - Nucl.Phys. A758, 166c (2005)
Multichannel R-matrix analysis of elastic and inelastic resonances in the $^{20,21}\text{Na}+p$ compound systems
- 2005SA37 T.Saito, K.Yoshida, M.Oikawa, Y.Suga, K.Kino, T.Nakagawa, T.Tohei, K.Abe, H.Ueno - Phys.Rev. C 71, 064313 (2005)
Direct evidence of core excitation in the giant resonance through the (e, e'n) reaction
- 2005SA40 J.Sauvage, F.Ibrahim, B.Roussiere, J.Genevey, A.Gizon, G.Marguier, P.Kilcher, A.Knipper, R.Beraud, G.Cata-Danil, F.Le Blanc, J.Obert, J.Oms, J.C.Putaux, C.Richard-Serre, A.Wojtasiewicz, and the ISOLDE and NICOLE Collaborations - Eur.Phys.J. A 25, 5 (2005)
Low-spin states of doubly odd ^{184}Au
- 2005SA44 G.Savard, F.Buchinger, J.A.Clark, J.E.Crawford, S.Gulick, J.C.Hardy, A.A.Hecht, J.K.P.Lee, A.F.Levand, N.D.Scielzo, H.Sharma, K.S.Sharma, I.Tanihata, A.C.C.Villari, Y.Wang - Phys.Rev.Lett. 95, 102501 (2005)
Q Value of the Superallowed Decay of ^{46}V and Its Influence on V_{ud} and the Unitarity of the Cabibbo-Kobayashi-Maskawa Matrix

REFERENCES

- 2005SAZS T.Saito, H.Sakai, T.Ikeda, K.Itoh, T.Kawabata, H.Kuboki, Y.Maeda, N.Matsui, M.Sasano, Y.Satou, K.Sekiguchi, K.Suda, A.Tamii, T.Uesaka, K.Yako - CNS-REP-66, p.32 (2005)
Bell's Inequality Test via the $^1\text{H}(d, ^2\text{He})n$ Reaction
- 2005SAZT S.Sakaguchi, T.Wakui, T.Uesaka, K.Itoh, T.Kawabata, H.Kuboki, Y.Maeda, H.Sakai, Y.Sasamoto, M.Sasano, K.Sekiguchi, K.Suda, Y.Takahashi, K.Yako - RIKEN Accelerator Progress Report 2004, p.36 (2005)
Absolute calibration of proton polarization via $p(\text{pol}) + ^4\text{He}$ elastic scattering
- 2005SAZU H.Sakane, K.Furutaka, O.Shcherbakov, H.Harada, T.Fujii, H.Yamana - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1000 (2005); AIP Conf.Proc. 769 (2005)
Development of a Method of Thermal-Neutron Capture Cross Section Measurement by Unfolding Prompt Gamma-Ray Spectra
- 2005SAZX A.Sanchez i Zafra, C.Beck, F.Haas, P.Papka, V.Rauch, M.Rousseau, F.Azaiez, P.Bednarczyk, S.Courtin, D.Curien, O.Dorvaux, A.Nourreddine, J.Robin, M.D.Salsac, W.von Oertzen, B.Gebauer, T.Kokalova, S.Thummerer, C.Wheldon, G.de Angelis, A.Gadea, S.Lenzi, D.R.Napoli, S.Szilner, W.N.Catford, D.Jenkins - Proc. XLIII Intern.Winter Meeting on Nuclear Physics, Bormio, Italy, 14 - 19 March 2005, I.Iori and A.Bortolotti, eds., p.224 (2005)
Study of binary reaction channels in the $^{24}\text{Mg} + ^{12}\text{C}$ collision
- 2005SC17 D.Schurmann, A.Di Leva, N.De Cesare, L.Gialanella, G.Imbriani, C.Lubritto, A.Ordine, V.Roca, H.Rocken, C.Rolfs, D.Rogalla, M.Romano, F.Schumann, F.Strieder, F.Terrasi, H.-P.Trautvetter - Nucl.Phys. A758, 367c (2005)
Measurement of the cross section of $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ using the recoil mass separator ERNA
- 2005SCZW D.Schumann, R.Weinreich, R.Michel, H.-A.Synal, P.Kubik - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1517 (2005); AIP Conf.Proc. 769 (2005)
Excitation Functions for the Production of ^{10}Be , ^{26}Al , ^{129}I , and ^{36}Cl in the Reaction $^{nat}\text{Pb}(p, xn-yp)^AZ$ with Proton Energies up to 2.6 GeV
- 2005SCZX F.Schumann, S.Typel, F.Hammache, K.Summerer, F.Uhlig, I.Bottcher, D.Cortina, A.Forster, M.Gai, H.Geissel, U.Greife, E.Grosse, N.Iwasa, P.Koczon, B.Kohlmeyer, R.Kulesa, H.Kumagai, N.Kurz, M.Menzel, T.Motobayashi, H.Oeschler, A.Ozawa, M.Ploskon, W.Prokopowicz, E.Schwab, P.Senger, F.Strieder, C.Sturm, Z.-Y.Sun, G.Surowka, A.Wagner, W.Walus - nucl-ex/0508014,08/11/2005 (2005)
Coulomb dissociation of ^8B and the low-energy cross section of the $^7\text{Be}(p, \gamma)^8\text{B}$ solar fusion reaction
- 2005SE14 N.Severijns, D.Venos, P.Schuermans, T.Phalet, M.Honusek, D.Srnka, B.Vereecke, S.Versyck, D.Zakoucky, U.Koster, M.Beck, B.Delaure, V.Golovko, I.Kraev - Phys.Rev. C 71, 064310 (2005)
Isospin mixing in the $T=5/2$ ground state of ^{71}As

REFERENCES

- 2005SE16 M.Seimetz, for the A1 Collaboration - Nucl.Phys. A755, 253c (2005)
Measurement of the Electric Form Factor of the Neutron at MAMI
- 2005SE17 A.Serebrov, V.Varlamov, A.Kharitonov, A.Fomin, Yu.Pokotilovski, P.Geltenbort,
J.Butterworth, I.Krasnoschekova, M.Lasakov, R.Taldaev, A.Vassiliev, O.Zherebtsov
- J.Res.Natl.Inst.Stand.Technol. 110, 333 (2005)
Measurement of the Neutron Lifetime Using a Gravitational Trap and a
Low-Temperature Fomblin Coating
- 2005SE19 M.Segawa, Y.Nagai, T.Shima, H.Makii, K.Mishima, H.Ueda, Y.Temma, T.Masaki,
M.Igashira, T.Ohsaki, T.Shizuma, T.Hayakawa - Nucl.Phys. A758, 553c (2005)
Neutron experiment for the study of Re / Os cosmochronometer
- 2005SEZW V.Semkova, A.J.M.Plompen, D.L.Smith - Proc.Intern.Conf.Nuclear Data for Science
and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight,
M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1019 (2005); AIP Conf.Proc.
769 (2005)
Measurement of the $^{58}\text{Ni}(n, t)^{56}\text{Co}$, $^{59}\text{Co}(n, p)^{59}\text{Fe}$, and $^{63}\text{Cu}(n, \alpha)^{60}\text{Co}$ Reaction
Cross Sections from 14 to 20 MeV
- 2005SEZX V.Semkova, A.J.M.Plompen, D.L.Smith - Proc.Intern.Conf.Nuclear Data for Science
and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight,
M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 981 (2005); AIP Conf.Proc. 769
(2005)
Light Charged-Particle Production Activation Cross Sections of Zr Isotopes from 14
to 20 MeV
- 2005SH23 J.Shergur, A.Wohr, W.B.Walters, K.-L.Kratz, O.Arndt, B.A.Brown, J.Cederkall,
I.Dillmann, L.M.Fraile, P.Hoff, A.Joinet, U.Koster, B.Pfeiffer - Phys.Rev. C 71,
064321 (2005)
Level structure of odd-odd ^{134}Sb populated in the β^- decays of $^{134,135}\text{Sn}$
- 2005SH24 J.Shergur, D.J.Dean, D.Seweryniak, W.B.Walters, A.Wohr, P.Boutachkov,
C.N.Davids, I.Dillmann, A.Juodagalvis, G.Mukherjee, S.Sinha, A.Teymurazyan,
I.Zartova - Phys.Rev. C 71, 064323 (2005)
Identification of low-spin states in ^{111}Sb : Test of spin-orbit coupling in light nuclei
- 2005SH26 T.Shizuma, T.Hayakawa, S.Mitarai, T.Morikawa, T.Ishii - Phys.Rev. C 71, 067301
(2005)
Identification of the $K^\pi = 11 / 2^+$ isomer in neutron-rich ^{187}W
- 2005SH36 J.Shergur, A.Wohr, W.B.Walters, K.-L.Kratz, O.Arndt, B.A.Brown, J.Cederkall,
I.Dillmann, L.M.Fraile, P.Hoff, A.Joinet, U.Koster, B.Pfeiffer - Phys.Rev. C 72,
024305 (2005)
Identification of shell-model states in ^{135}Sb populated via β^- decay of ^{135}Sn
- 2005SH37 T.Shizuma, H.Utsunomiya, P.Mohr, T.Hayakawa, S.Goko, A.Makinaga, H.Akimune,
T.Yamagata, M.Ohta, H.Ohgaki, Y.-W.Lui, H.Toyokawa, A.Uritani, S.Goriely -
Phys.Rev. C 72, 025808 (2005)

REFERENCES

- Photodisintegration cross section measurements on ^{186}W , ^{187}Re , and ^{188}Os :
Implications for the Re-Os cosmochemistry
- 2005SH38 W.Shi, M.Redshaw, E.G.Myers - Phys.Rev. A 72, 022510 (2005)
Atomic masses of $^{32,33}\text{S}$, $^{84,86}\text{Kr}$, and $^{129,132}\text{Xe}$ with uncertainties ≤ 0.1 ppb
- 2005SH41 T.Shizuma, H.Utsunomiya, S.Goko, P.Mohr, T.Hayakawa, A.Makinaga, K.Y.Hara,
H.Ohgaki, Y.-W.Lui, S.Goriely - Nucl.Phys. A758, 561c (2005)
Photoneutron cross section measurements on ^{186}W , ^{187}Re and ^{188}Os for
cosmochemistry
- 2005SHZT O.Shcherbakov, H.Harada, K.Furutaka, S.Nakamura, H.Sakane, K.Kobayashi,
S.Yamamoto, J.-i.Hori - Proc.Intern.Conf.Nuclear Data for Science and Technology,
Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick,
T.Kawano, P.Talou, Eds., Vol.1, p. 1007 (2005); AIP Conf.Proc. 769 (2005)
Measurement of the Np-237 Neutron Capture Cross Section from Thermal to 100 eV
- 2005SHZU T.Shimizu, K.Arakita, I.Miyazaki, M.Shibata, K.Kawade, J.-i.Hori, K.Ochiai,
T.Nishitani - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe,
New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick,
T.Kawano, P.Talou, Eds., Vol.1, p. 992 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Activation Cross Sections Producing Short-Lived Nuclei with
Pulsed Neutron Beam
- 2005SHZW Yu.Shitov, on behalf of the NEMO Collaboration - Book of Abstracts, LV National
Conference on Nuclear Physics "Frontiers in the Physics of Nucleus",
St.-Petersburg, p.42 (2005)
Search for Neutrinoless Double Beta Decay with NEMO-3 and SUPERNEMO
- 2005SHZX T.Shizuma, H.Utsunomiya, P.Mohr, T.Hayakawa, S.Goko, A.Makinaga, H.Akimune,
T.Yamagata, M.Ohta, H.Ohgaki, Y.-W.Lui, H.Toyokawa, A.Uritani, S.Goriely -
nucl-ex/0506027,6/30/2005 (2005)
Photo-disintegration cross section measurements on ^{186}W , ^{187}Re and ^{188}Os :
implications to the Re-Os cosmochemistry
- 2005SI21 N.L.Singh, S.Mukherjee, M.S.Gadkari - Int.J.Mod.Phys. E14, 611 (2005)
Excitation functions of alpha induced reactions on natural nickel up to 50 MeV
- 2005SI23 A.J.Simons, R.Wadsworth, D.G.Jenkins, R.M.Clark, M.Cromaz, M.A.Deleplanque,
R.M.Diamond, P.Fallon, G.J.Lane, I.Y.Lee, A.O.Macchiavelli, F.S.Stephens,
C.E.Svensson, K.Vetter, D.Ward, S.Frauentorf, Y.Gu - Phys.Rev. C 72, 024318
(2005)
Investigation of antimagnetic rotation in light Cadmium nuclei: $^{106,108}\text{Cd}$
- 2005SIZY S.P.Simakov, M.G.Kobosev, A.A.Lychagin, V.A.Talalaev, D.Yu.Chuvilin,
V.M.Maslov - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe,
New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick,
T.Kawano, P.Talou, Eds., Vol.1, p. 67 (2005); AIP Conf.Proc. 769 (2005)
Benchmarking of Uranium-238 Evaluations against Spherical Transmission and (n,
xn)-Reaction Experimental Data

REFERENCES

- 2005SK03 F.Skaza, N.Keeley, V.Lapoux, N.Alamanos, F.Auger, D.Beaumel, E.Becheva, Y.Blumenfeld, F.Delaunay, A.Drouart, A.Gillibert, L.Giot, K.W.Kemper, R.S.Mackintosh, L.Nalpas, A.Pakou, E.C.Pollacco, R.Raabe, P.Roussel-Chomaz, J.-A.Scarpaci, J.-L.Sida, S.Stepantsov, R.Wolski - Phys.Lett. B 619, 82 (2005)
Important pickup coupling effect on $^8\text{He}(p, p)$ elastic scattering
- 2005SK04 V.R.Skoy, T.Ino, Y.Masuda, S.Muto, G.Kim - J.Res.Natl.Inst.Stand.Technol. 110, 471 (2005)
On the Way to Experimental Test of the Time Reversal Invariance in the Nuclear Reactions
- 2005SKZZ Ye.Skakun, S.M.Qaim - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1634 (2005); AIP Conf.Proc. 769 (2005)
Excitation Functions of Helion-Induced Nuclear Reactions for the Production of the Medical Radioisotope ^{103}Pd
- 2005SM04 D.Smirnov, F.Aksouh, S.Dean, H.De Witte, M.Huyse, O.Ivanov, P.Mayet, I.Mukha, R.Raabe, J.-C.Thomas, P.Van Duppen, C.Angulo, J.Cabrera, A.Ninane, T.Davinson - Nucl.Instrum.Methods Phys.Res. A547, 480 (2005)
Application of a thin double-sided microstrip detector for the registration of β -delayed charged particles: The ^6He β decay into the two-body continuum of ^6Li
- 2005SM07 J.F.Smith, C.J.Chicara, M.P.Carpenter, H.J.Chantler, P.T.W.Choy, C.N.Davids, M.Devlin, J.L.Durell, D.B.Fossan, S.J.Freeman, R.V.F.Janssens, N.S.Kelsall, T.Koike, D.R.LaFosse, E.S.Paul, P.Reiter, D.G.Sarantites, D.Seweryniak, K.Starosta, R.Wadsworth, A.N.Wilson, P.-H.Heenen - Phys.Lett. B 625, 203 (2005)
First observation of very neutron-deficient ^{122}Ce
- 2005SMZX A.B.Smith - ANL/NDM-161 (2005)
Neutron Scattering from the Standard ^{197}Au
- 2005SMZZ A.N.Smirnov, V.P.Eismont, N.P.Filatov, S.N.Kirillov, J.Blomgren, H.Conde, N.Olsson, M.Duijvestijn, A.Koning - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 637 (2005); AIP Conf.Proc. 769 (2005)
Correlation of Intermediate Energy Proton- and Neutron-Induced Fission Cross Sections in the Lead-Bismuth Region
- 2005S009 D.Sohler, J.Timar, G.Rainovski, P.Joshi, K.Starosta, D.B.Fossan, J.Molnar, R.Wadsworth, A.Algora, P.Bednarczyk, D.Curien, Zs.Dombradi, G.Duchene, A.Gizon, J.Gizon, D.G.Jenkins, T.Koike, A.Krasznahorkay, E.S.Paul, P.M.Raddon, J.N.Scheurer, A.J.Simons, C.Vaman, A.R.Wilkinson, L.Zolnai - Phys.Rev. C 71, 064302 (2005)
High-spin structure of ^{102}Ru

REFERENCES

- 2005SPZZ S.Spataro, for the HADES Collaboration - Proc. XLIII Intern.Winter Meeting on Nuclear Physics, Bormio, Italy, 14 - 19 March 2005, I.Iori and A.Bortolotti, eds., p.305 (2005)
pp collisions at 2.2GeV with HADES
- 2005ST22 E.A.Stefanova, N.Benczer-Koller, G.J.Kumbartzki, Y.Y.Sharon, L.Zamick, S.J.Q.Robinson, L.Bernstein, J.R.Cooper, D.Judson, M.J.Taylor, M.A.McMahan, L.Phair - Phys.Rev. C 72, 014309 (2005)
Near spherical shell-model structure of the 2_1^+ state in ^{40}Ar from g-factor measurements
- 2005ST23 A.Starostin, for the Crystal Ball Collaboration - Phys.Rev. C 72, 015205 (2005)
Measurement of $\pi^- p \rightarrow \pi^0 n$ in the vicinity of the η threshold
- 2005SUZV K.Suda, H.Mardanpour, H.R.Amir-Ahmadi, N.Kalantar-Nayestanaki, T.Kawabata, H.Kuboki, Y.Maeda, J.G.Messchendorp, S.Sakaguchi, H.Sakai, N.Sakamoto, Y.Sasamoto, K.Sekiguchi, Y.Takahashi, T.Uesaka, K.Yako - CNS-REP-66, p.34 (2005)
Determination of Vector and Tensor Analyzing Powers in Deuteron-Proton Elastic Scattering via the $^{12}\text{C}(d(\text{pol}), \alpha)^{10}\text{B}^*[2^+]$ Reaction
- 2005SUZX B.Sulignano, F.P.Hessberger, S.Hofmann, D.Ackermann, S.Antalic, I.Kojouharov, P.Kuusiniemi, R.Mann, K.Nishio, S.Saro, B.Streicher, M.Venhardt - GSI 2005-1, p.74 (2005)
Evidence for an Isomeric State in ^{251}No
- 2005SZ03 Z.Szeglowski, B.Kubica, D.T.Lien, S.Timokhin, M.Tuteja-Krysa, H.Godunowa, R.Misiak, M.Stobinski - J.Radioanal.Nucl.Chem. 265, 367 (2005)
A ^{212}Pb generator for model experiments on aqueous chemistry of element 114
- 2005TA19 H.Tamura, and the E930('01) / E509 / E518 Collaborations - Nucl.Phys. A754, 58c (2005)
 γ -ray spectroscopy in Λ hypernuclei
- 2005TA23 G.Tagliente, for the n_TOF Collaboration - Nucl.Phys. A758, 573c (2005)
Measurements of the $^{90,91,92,94,96}\text{Zr}(n, \gamma)$ cross-sections at n_TOF
- 2005TAZS F.Tarkanyi, F.Ditroi, S.Takacs, I.Mahunka, J.Csikai, M.S.Uddin, M.Hagiwara, M.Baba, T.Ido, A.Hermanne, Yu.Shubin, A.I.Dityuk - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1662 (2005); AIP Conf.Proc. 769 (2005)
Excitation Functions of Proton-Induced Reactions on ^{nat}Sn and ^{nat}Cd : Relevance to the Production of ^{111}In and ^{114m}In for Medical Applications
- 2005TAZT F.Tarkanyi, F.Ditroi, S.Takacs, J.Csikai, I.Mahunka, M.S.Uddin, M.Hagiwara, M.Baba, T.Ido, A.Hermanne, M.Sonck, Yu.Shubin, A.I.Dityuk - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1658 (2005); AIP Conf.Proc. 769 (2005)

REFERENCES

- Excitation Functions for Production of ^{88}Zr and ^{88}Y by Proton and Deuteron Irradiation of Mo, Nb, Zr, and Y
- 2005TAZV F.Tarkanyi, F.Ditroi, S.Takacs, B.Kiraly, A.Hermanne, M.S.Uddin, M.Hagiwara, M.Baba, Yu.N.Shubin, A.I.Dityuk - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1023 (2005); AIP Conf.Proc. 769 (2005)
Cross Sections of Proton Induced Nuclear Reactions on Iridium
- 2005TAZW F.Tarkanyi, S.Takacs, F.Ditroi, J.Csikai, A.Hermanne, M.S.Uddin, M.Hagiwara, M.Baba, Yu.N.Shubin, A.I.Dityuk - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1015 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Activation Cross Sections of the Proton, Deuteron, and Alpha Particle-Induced Nuclear Reactions on Platinum
- 2005TEZX T.Teranishi, S.Kubono, H.Yamaguchi, J.J.He, A.Saito, Y.Wakabayashi, H.Fujikawa, G.Amadio, S.Nishimura, M.Nishimura, J.Y.Moon, C.S.Lee, A.Odahara, D.Sohler, M.Niikura, Z.H.Li, G.Lian, L.H.Khiem - CNS-REP-66, p.5 (2005)
Study of $^{13}\text{N} + \text{p}$ Resonance States
- 2005TEZY T.Teranishi, S.Kubono, J.J.He, M.Notani, T.Fukuchi, S.Shimoura, S.Nishimura, M.Nishimura, S.Michimasa, Y.Wakabayashi, N.Hokoiwa, Y.Gono, A.Odahara, H.Baba, J.Y.Moon, J.H.Lee, C.S.Lee, J.C.Kim, H.Ishiyama, Y.X.Watanabe, T.Hashimoto, T.Ishikawa, M.H.Tanaka, H.Miyatake, V.Guimaraes, R.Lichtenthaler, H.Sato, T.Kawamura, S.Kato - RIKEN Accelerator Progress Report 2004, p.59 (2005)
Elastic resonance scattering of $^{23}\text{Mg} + \text{p}$
- 2005TH09 J.S.Thomas, D.W.Bardayan, J.C.Blackmon, J.A.Cizewski, R.P.Fitzgerald, U.Greife, C.J.Gross, M.S.Johnson, K.L.Jones, R.L.Kozub, J.F.Liang, R.J.Livesay, Z.Ma, B.H.Moazen, C.D.Nesaraja, D.Shapira, M.S.Smith, D.W.Visser - Nucl.Phys. A758, 663c (2005)
Neutron Single-Particle States in r-Process Nuclei Near Closed Shells
- 2005TIZX Yu.E.Titarenko, V.F.Batyaev, V.M.Zhivun, R.D.Mulambetov, S.V.Mulambetova, S.L.Zaitsev, S.G.Mashnik, R.E.Prael - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 1070 (2005); AIP Conf.Proc. 769 (2005)
Excitation Functions of Products from $^{208,207,206,\text{nat}}\text{Pb}$ and ^{209}Bi (p, x) Reactions Measured in the 40-2600 MeV Energy Range and Predicted Theoretically
- 2005TIZY Y.E.Titarenko, V.F.Batyaev, R.D.Mulambetov, V.M.Zhivun, V.S.Barashenkov, S.G.Mashnik, Y.N.Shubin, A.V.Ignatyuk - nucl-ex/0507009,7/05/2005 (2005)
Excitation Functions of Product Nuclei from 40-2600 MeV Proton-Irradiated $^{206,207,208,\text{nat}}\text{Pb}$ and ^{209}Bi

REFERENCES

- 2005T011 Y.Togano, T.Gomi, T.Motobayashi, Y.Ando, N.Aoi, H.Baba, K.Demichi, Z.Elekes, N.Fukuda, Zs.Fulop, U.Futakami, H.Hasegawa, Y.Higurashi, K.Ieki, N.Imai, M.Ishihara, K.Ishikawa, N.Iwasa, H.Iwasaki, S.Kanno, Y.Kondo, T.Kubo, S.Kubono, M.Kunibu, K.Kurita, Y.U.Matsuyama, S.Michimasa, T.Minemura, M.Miura, H.Murakami, T.Nakamura, M.Notani, S.Ota, A.Saito, H.Sakurai, M.Serata, S.Shimoura, T.Sugimoto, E.Takeshita, S.Takeuchi, K.Ue, K.Yamada, Y.Yanagisawa, K.Yoneda, A.Yoshida - Nucl.Phys. A758, 182c (2005)
Study of $^{26}\text{Si}(p, \gamma)^{27}\text{P}$ reaction using Coulomb dissociation method
- 2005TR09 Yu.A.Troyan, A.V.Beljaev, A.Yu.Troyan, E.B.Plekhanov, A.P.Jerusalimov, G.B.Piskaleva, S.G.Arakelian - Part. and Nucl., Lett. 124, 36 (2005)
The Search and Study of the Baryonic Resonances with the Strangeness $S = +1$ in the System on $n\text{K}^+$ from the Reaction $np \rightarrow np\text{K}^+\text{K}^-$ at the Momentum of Incident Neutrons $P_n = (5.20 \pm 0.12) \text{ GeV} / c$
- 2005TR11 M.Trinczek, C.C.Jewett, J.M.D'Auria, S.Bishop, L.Buchmann, A.A.Chen, S.Engel, D.Gigliotti, U.Greife, D.Hunter, A.Hussein, D.Hutcheon, J.Jose, A.M.Laird, M.Lamey, R.Lewis, A.Olin, D.Ottewell, P.Parker, M.M.Pavan, J.E.Pearson, J.Rogers, C.Ruiz, C.Wrede - Nucl.Phys. A758, 729c (2005)
Direct Measurement of the $^{21}\text{Na}(p, \gamma)^{22}\text{Mg}$ Reaction: Resonance Strengths and Gamma-Gamma Analysis
- 2005TRZY M.J.Trbovich, D.P.Barry, R.E.Slovacek, Y.Danon, R.C.Block, J.A.Burke, N.Drindak, G.Leinweber, R.V.Ballad - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 949 (2005); AIP Conf.Proc. 769 (2005)
Hafnium Resonance Parameter Analysis using Neutron Capture and Transmission Experiments
- 2005TRZZ R.Tramontano, O.Helene, P.R.Pascholati, N.L.Maidana, V.R.Vanin - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 261 (2005); AIP Conf.Proc. 769 (2005)
Gamma Spectroscopy and Gamma-Ray Intensity Determination for ^{48}V
- 2005UD02 M.S.Uddin, M.Hagiwara, M.Baba, F.Tarkanyi, F.Ditroi - Appl.Radiat.Isot. 63, 367 (2005)
Experimental studies on excitation functions of the proton-induced activation reactions on yttrium
- 2005UEZZ T.Uesaka, T.Ikeda, T.Kawabata, H.Okamura, K.Itoh, H.Sakai, K.Yako, T.Saito, H.Kuboki, M.Sasano, K.Sekiguchi - RIKEN Accelerator Progress Report 2004, p.35 (2005)
Tensor analyzing power for the $d(\text{pol}) + \alpha$ backward scattering
- 2005UG04 C.Ugalde, R.Azuma, A.Couture, J.Gorres, M.Heil, K.Scheller, E.Stech, W.Tan, M.Wiescher - Nucl.Phys. A758, 577c (2005)
The reaction rate for the destruction of fluorine in AGB stars

REFERENCES

- 2005UK01 M.Ukai, O.Hashimoto, Y.Miura, T.Miyoshi, K.Mizunuma, S.N.Nakamura, Y.Okayasu, H.Tamura, S.Ajimura, T.Kishimoto, T.Hayakawa, S.Minami, H.Akikawa, K.Imai, H.Takahashi, D.E.Alburger, R.E.Chrien, H.Hotchi, M.May, P.Pile, A.Rusek, R.Sutter, T.Nagae, Y.Sato, A.Banu, G.B.Franklin, B.P.Quinn, J.Franz, K.Nakazawa, K.Tanida, L.Tang, L.Yuan, and the E930 '01 Collaboration - Nucl.Phys. A754, 70c (2005)
Observation of hypernuclear fine structure in ${}_{\Lambda}^{16}\text{O}$
- 2005UN01 Unnati, M.K.Sharma, B.P.Singh, R.Prasad, S.Gupta, H.D.Bhardwaj, A.K.Sinha - Int.J.Mod.Phys. E14, 775 (2005)
A study of excitation functions for some residues produced in the system ${}^{14}\text{N} + {}^{128}\text{Te}$ in the energy range $\approx 64\text{-}90$ MeV
- 2005U0ZZ M.A.M.Uosif, R.Michel, U.Herpers, P.-W.Kubik, M.Duijvestijn, A.Koning - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1547 (2005); AIP Conf.Proc. 769 (2005)
Residual Nuclide Production by Proton-Induced Reactions on Uranium for Energies between 20 and 70 MeV
- 2005UR02 W.Urban, T.Rzaca-Urban, J.A.Pinston, J.L.Durell, W.R.Phillips, A.G.Smith, B.J.Varley, I.Ahmad, N.Schulz - Phys.Rev. C 72, 027302 (2005)
Near-yrast, medium-spin structure of the ${}^{107}\text{Mo}$ nucleus
- 2005VA27 W.A.van Wijngaarden - Can.J.Phys. 83, 327 (2005)
Precision measurements of fine and hyperfine structure in lithium I and II
- 2005VAZZ S.I.Vasiliev, K.Ya.Gromov, A.A.Klimenko, Zh.K.Samatov, A.A.Smolnikov, V.I.Fominykh, V.G.Chumin - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.320 (2005)
Coincidence Summation in γ -Ray Spectra. Determination of Intensity for Weak Cross Over γ -Transitions
- 2005VEZZ C.Vermeulen, G.F.Steyn, F.M.Nortier, T.N.van der Walt, F.Szelecsenyi, Z.Kovacs, S.M.Qaim - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1650 (2005); AIP Conf.Proc. 769 (2005)
Excitation Functions and Production Rates of Radionuclides Produced in the Proton Bombardment of ${}^{nat}\text{Pr}$ and ${}^{nat}\text{La}$
- 2005VIZY S.E.Vigdor, for the CE71 Collaboration - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 820 (2005); AIP Conf.Proc. 769 (2005)
Measurement of Absolute np Scattering Differential Cross Sections with a Tagged Intermediate-Energy Neutron Beam
- 2005VIZZ I.N.Vishnevsky, V.A.Zheltonozhsky, N.V.Strilchuk, S.S.Drapej - Book of Abstracts, LV National Conference on Nuclear Physics "Frontiers in the Physics of Nucleus", St.-Petersburg, p.65 (2005)

REFERENCES

- Investigation of Gamma-Transition's ICC in ^{115}In , ^{117}Sn and ^{125}Te Nuclei with a High Precision
- 2005V017 C.Vockenhuber, R.Golser, W.Kutschera, A.Priller, P.Steier, A.Wallner, M.Bichler - Nucl.Phys. A758, 340c (2005)
 ^{182}Hf - from geophysics to astrophysics
- 2005V0ZX A.S.Vorobyev, V.N.Dushin, F.-J.Hambsch, V.A.Jakovlev, V.A.Kalinin, A.B.Laptev, B.F.Petrov, O.A.Shcherbakov - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 613 (2005); AIP Conf.Proc. 769 (2005)
Distribution of Prompt Neutron Emission Probability for Fission Fragments in Spontaneous Fission of ^{252}Cf and $^{244,248}\text{Cm}$
- 2005WA22 T.J.Wasowicz, R.Drozdzowski, J.Kwela - Phys.Scr. 72, 200 (2005)
Hyperfine Structure Study of Several Lines of ^{207}Pb I - Part II
- 2005WA23 S.Wang, H.Hua, J.Meng, Z.H.Li, S.Q.Zhang, F.R.Xu, H.L.Liu, Y.L.Ye, D.X.Jiang, T.Zheng, Q.J.Wang, Z.Q.Chen, C.E.Wu, G.L.Zhang, D.Y.Pang, J.Wang, J.L.Lou, B.Guo, G.Jin, S.G.Zhou, L.H.Zhu, X.G.Wu, G.S.Li, S.X.Wen, C.Y.He, X.Z.Cui, Y.Liu - Phys.Rev. C 72, 024317 (2005)
High-spin states in ^{152}Gd
- 2005WA25 H.-L.Wang, Y.-H.Zhang, X.-H.Zhou, Y.-X.Guo, X.-G.Lei, S.-W.Xu, Y.-X.Xie, M.-L.Liu, Y.Zheng, Y.-B.Xing, C.-Y.Xie, L.-T.Song, P.Luo, H.-P.Yu, W.-T.Guo - Chin.Phys.Lett. 22, 2211 (2005)
Identification of New β -Delayed γ Rays and a Low-Spin Isomer in ^{176}Ir
- 2005WAZS Y.Wakabayashi, A.Odahara, Y.Gono, T.Fukuchi, T.Teranishi, S.Kubono, H.Yamaguchi, A.Saito, E.Ideguchi, S.Nishimura, J.J.He, H.Fujikawa, G.Amadio, S.Ota, J.Y.Moon, M.Notani, Y.Yanagisawa, S.Michimasa, S.Shimoura, H.Watanabe, T.Kishida, H.Baba, M.Nishimura, T.Ishii - CNS-REP-66, p.15 (2005)
Search for High-Spin Isomers in $N = 51$ Isotones using a Secondary ^{17}N Beam
- 2005WAZU A.Wallner, R.Golser, W.Kutschera, A.Priller, P.Steier, C.Vockenhuber, H.Vonach, T.Faestermann, K.Knie, G.Korschinek - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 621 (2005); AIP Conf.Proc. 769 (2005)
Potential of AMS for Quantifying Long-Lived Reaction Products
- 2005WAZW R.E.Warner, F.Carstoiu, J.A.Brown, F.D.Becchetti, D.A.Roberts, B.Davids, A.Galonsky, R.M.Ronningen, M.Steiner, M.Horoi, J.J.Kolata, A.Nadasen, C.Samanta, J.Schwarzenberg, K.Subotic - nucl-ex/0507025,7/18/2005 (2005)
Reaction and proton-removal cross sections of ^6Li , ^7Be , ^{10}B , $^9,^{10},^{11}\text{C}$, ^{12}N , $^{13},^{15}\text{O}$ and ^{17}Ne on Si at 15 to 53 MeV / nucleon

REFERENCES

- 2005WAZX D.P.Watts, J.R.M.Annand, R.Beck, D.Branford, D.Glazier, P.Grabmayr, K.Livingston, I.J.D.MacGregor, J.C.McGeorge, R.O.Owens - nucl-ex/0506018,6/14/2005 (2005)
Dependence of the $^{12}\text{C}(\gamma(\text{pol}), \text{pd})$ reaction on photon linear polarization
- 2005WI17 F.E.Wietfeldt, M.S.Dewey, D.M.Gilliam, J.S.Nico, X.Fei, W.M.Snow, G.L.Greene, J.Pauwels, R.Eykens, A.Lamberty, J.Van Gestel - J.Res.Natl.Inst.Stand.Technol. 110, 327 (2005)
Measurement of the Neutron Lifetime by Counting Trapped Protons
- 2005WIZZ K.Wisshak, F.Voss, F.Kappeler, L.Kazakov, M.Krticka - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.2, p. 1315 (2005); AIP Conf.Proc. 769 (2005)
Stellar Neutron Capture Cross Sections of the Lu and Hf Isotopes
- 2005W006 A.Wolf, Z.Berant, N.V.Zamfir, D.S.Brenner, E.A.McCutchan, H.Ai, R.F.Casten, K.Dusling, A.Heinz, D.A.Meyer, E.A.Millman, N.Pietralla, C.Plettner, J.Qian, P.H.Regan, D.Swanson, J.Vinson, E.Williams, R.Winkler - Phys.Rev. C 72, 027301 (2005)
g factor of the 2_1^+ state of ^{160}Er
- 2005YA12 T.Yamagata, H.Akimune, S.Nakayama, M.Fujiwara, K.Fushimi, M.B.Greenfield, K.Hara, K.Y.Hara, H.Hashimoto, K.Ichihara, K.Kawase, M.Kinoshita, Y.Matsui, K.Nakanishi, M.Ohta, A.Shiokawa, M.Tanaka, H.Utsunomiya, M.Yosoi - Phys.Rev. C 71, 064316 (2005)
Di-trinucleon cluster resonances in $A = 6$ isobar nuclei
- 2005YA17 T.Yamagata, S.Nakayama, M.Tanaka, T.Itahashi - J.Phys.Soc.Jpn. 74, 2640 (2005)
 ^7Li -Excitation of a Resonance at $E_x = 15.5$ MeV in ^{208}Pb
- 2005YU04 D.-Q.Yuan, Y.-N.Zheng, D.-M.Zhou, Y.Zuo, E.-P.Du, X.Duan, C.-H.Wang, Q.Luo, X.-G.Wu, G.-S.Li, S.-X.Wen, G.-J.Xu, Z.-C.Gao, Y.-S.Chen, S.-Y.Zhu - Chin.Phys.Lett. 22, 1628 (2005)
Measurements of g-Factor of Rotational Levels in ^{83}Y
- 2005YU06 H.-P.Yu, Y.-X.Gou, X.-H.Zhou, Y.-H.Zhang, X.-G.Lei, P.Luo, M.-L.Liu, L.-T.Song, H.L.Wang, C.-Y.Xie, Y.Zheng, W.-T.Guo, L.-H.Zhu, X.-G.Wu - Chin.Phys.Lett. 22, 1873 (2005)
High-Spin States in Odd-Odd ^{140}Pr Nucleus
- 2005ZE03 S.Zeng, W.-P.Liu, Z.-H.Li, X.-X.Bai, S.-Q.Yan, B.-X.Wang, G.Lian, J.Su - Chin.Phys.Lett. 22, 2219 (2005)
Measurement of $^2\text{H}(^8\text{Li}, ^9\text{Be})\text{n}$ Reaction Relevant to Primordial Nucleosynthesis
- 2005ZE04 R.G.T.Zegers, A.L.Cole, H.Akimune, S.M.Austin, D.Bazin, A.M.van den Berg, G.P.A.Berg, J.Brown, I.Daito, Y.Fujita, M.Fujiwara, K.Hara, M.N.Harakeh, G.W.Hitt, M.E.Howard, J.Janecke, T.Kawabata, T.Nakamura, H.Ueno, H.Schatz, B.M.Sherrill, M.Steiner - Nucl.Phys. A758, 67c (2005)

REFERENCES

Weak interaction strengths for supernovae calculations via the (t, ^3He) reaction on medium-heavy nuclei

- 2005ZHZZ B.V.Zhuravlev, N.V.Kornilov, A.A.Lychagin, N.N.Titarenko, V.I.Trykova - Proc.Intern.Conf.Nuclear Data for Science and Technology, Santa Fe, New Mexico, 26 September-1 October, 2004, R.C.Haight, M.B.Chadwick, T.Kawano, P.Talou, Eds., Vol.1, p. 931 (2005); AIP Conf.Proc. 769 (2005)
Nuclear Level Densities of ^{56}Co , ^{57}Co , ^{90}Nb , and ^{94}Nb from Neutron Evaporation Spectra in the (p, n) Reaction