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56 reference(s) found :

Keynumber: 2001ZH11

Reference: Nucl.Sci.Eng. 137, 107 (2001)

Authors: G.Zhang, Z.Shi, G.Tang, J.Chen, G.Liu, H.Lu

Title: Interference of the Low-Energy Neutrons on Activation Cross-Section Measurement of the $^{186}\text{W}(n,\gamma)^{187}\text{W}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, E=0.5-1.5 MeV; measured σ . Activation technique, effects of interference from low-energy neutrons discussed. Comparisons with previous results, evaluated data.

Keynumber: 2000ZHZW

Reference: INDC(CPR)-050/L, p.8 (2000)

Authors: G.Zhang, Z.Shi, G.Liu, G.Tang, J.Chen, H.Lu

Title: Measurement of $^{186}\text{W}(n,\gamma)^{187}\text{W}$ Cross Sections in the Energy Region from 0.50 to 1.50 MeV

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, E=0.5-1.5 MeV; measured production σ . Activation technique, comparison with previous data.

Keynumber: 2000GR12

Reference: Yad.Fiz. 63, No 3, 484 (2000); Phys.Atomic Nuclei 63, 414 (2000)

Authors: O.T.Grudzevich

Title: Temperature Dependence of Radiative Strength Functions and Isomeric Cross Sections

Keyword abstract: NUCLEAR REACTIONS $^{182}, ^{183}, ^{184}, ^{186}\text{W}(n,\gamma)$, E=0.5 MeV; calculated γ spectra. $^{74}, ^{82}\text{Se}$, ^{87}Rb , ^{92}Mo , $^{115}\text{In}(n,2n)$, E=12-18 MeV; $^{151}, ^{153}\text{Eu}(\gamma,n)$, E=12-24 MeV; $^{90}\text{Zr}(\gamma,n)$, $(n,2n)$, E=12-25 MeV; ^{179}Hf , $^{181}\text{Ta}(\gamma,p)$, E=17-24 MeV; calculated isomer production ratios. ^{180}Hf , ^{190}Os , ^{191}Ir , $^{197}\text{Au}(\gamma,\gamma)$, E=1-13 MeV; calculated isomer production σ . Comparisons with data. Other reactions discussed.

Keynumber: 1999BO14

Reference: Yad.Fiz. 62, No 5, 892 (1999); Phys.Atomic Nuclei 62, 832 (1999)

Authors: S.T.Boneva, E.V.Vasileva, L.I.Simonova, V.A.Bondarenko, A.M.Sukhovi, V.A.Khitrov

Title: (n,γ) Reactions in Heavy Nuclei: Manifestations of nuclear structure at excitation energies up to the neutron binding energy

Keyword abstract: NUCLEAR REACTIONS ^{113}Cd , $^{123}, ^{124}\text{Te}$, ^{127}I , $^{134}, ^{136}, ^{137}, ^{138}\text{Ba}$, ^{139}La , $^{142}, ^{143}, ^{145}\text{Nd}$, ^{149}Sm , $^{155}, ^{157}\text{Gd}$, ^{159}Tb , $^{162}, ^{163}, ^{164}\text{Dy}$, ^{165}Ho , ^{167}Er , ^{169}Tm , $^{173}, ^{174}, ^{176}\text{Yb}$, $^{175}, ^{176}\text{Lu}$, $^{177}, ^{178}, ^{179}, ^{180}\text{Hf}$, ^{181}Ta , $^{182}, ^{186}\text{W}$, $^{187}, ^{189}\text{Os}$, ^{191}Ir , ^{195}Pt , ^{197}Au , $^{199}\text{Hg}(n,\gamma)$, E not given; analyzed two-photon γ cascade data; deduced structure effects.

Keynumber: 1997SU29

Reference: Bull.Rus.Acad.Sci.Phys. 61, 1611 (1997)

Authors: A.M.Sukhovi, V.A.Khitrov

Title: Cascade Gamma Decay of the Compound State of Heavy Nucleus as Seen Experimentally

Keyword abstract: NUCLEAR REACTIONS ^{113}Cd , ^{127}I , ^{123}Te , $^{134}, ^{136}, ^{137}, ^{138}\text{Ba}$, $^{142}, ^{143}, ^{145}\text{Nd}$, ^{149}Sm , $^{155}, ^{157}\text{Gd}$, ^{159}Tb , ^{165}Ho , $^{162}, ^{163}, ^{164}\text{Dy}$, ^{167}Er , ^{169}Tm , $^{173}, ^{174}, ^{176}\text{Yb}$, $^{175}, ^{176}\text{Lu}$, $^{177}, ^{178}, ^{179}, ^{180}\text{Hf}$, ^{195}Pt , ^{199}Hg , ^{181}Ta , $^{182}, ^{186}\text{W}$, ^{191}Ir , $^{197}\text{Au}(n,\gamma)$, E=thermal; analyzed γ spectra, $\gamma\gamma$ -coin.

^{114}Cd , ^{124}Te , $^{137, 138, 139}\text{Ba}$, ^{146}Nd , ^{150}Sm , $^{156, 158}\text{Gd}$, ^{160}Tb , ^{164}Dy , ^{168}Er , ^{170}Tm , ^{174}Yb , ^{181}Hf , ^{196}Pt , ^{200}Hg , ^{182}Ta , ^{183}W , ^{192}Ir , ^{198}Au deduced two-quantum cascade intensities vs excitation energy, level density parameters, pairing features.

Keynumber: 1997KA47

Reference: J.Radioanal.Nucl.Chem. 215, 193 (1997)

Authors: S.I.Kafala, T.D.MacMahon, S.B.Borzakov

Title: Neutron Activation for Precise Nuclear Data

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{50}Cr , ^{59}Co , ^{64}Zn , ^{75}As , ^{85}Rb , ^{113}In , $^{121, 123}\text{Sb}$, ^{130}Ba , ^{133}Cs , ^{139}La , $^{140, 142}\text{Ce}$, ^{146}Nd , $^{151, 153}\text{Eu}$, ^{152}Gd , ^{152}Sm , ^{159}Tb , ^{165}Ho , ^{174}Yb , ^{180}Hf , ^{181}Ta , ^{186}W , ^{232}Pa , $^{238}\text{Np}(n,\gamma)$, E=reactor; measured $E\gamma, I\gamma$; deduced capture σ , resonance integral, least-squares fit parameters. Multi-element standard.

Keynumber: 1994PRZZ

Reference: Proc.8th Int.Symposium on Capture Gamma-Ray Spectroscopy and Related Topic, Fribourg, Switzerland, 20-24 September 1993, J.Kern, Ed., World Scientific, Singapore, p.438 (1994)

Authors: P.Prokofjevs, L.Simonova, J.Berzins, V.Bondarenko, M.Balodis

Title: Levels of the ^{187}W Nucleus

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{187}W deduced levels, J, π .

Keynumber: 1992BE17

Reference: Z.Phys. A341, 155 (1992)

Authors: M.R.Beitins, S.T.Boneva, V.A.Khitrov, L.A.Malov, Yu.P.Popov, P.T.Prokofjev, G.L.Rezvaya, L.I.Simonova, A.M.Sukhovej, E.V.Vasilieva

Title: Study of the ^{187}W States Excited in the (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma, \gamma\gamma$ -sum coincidence spectra. ^{187}W deduced levels, J, π , neutron binding energy.

Keynumber: 1992AFZX

Reference: Program and Thesis, Proc.42nd Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Alma-Ata, p.104 (1992)

Authors: A.V.Afanasev, Ya.Ya.Berzin, V.A.Bondarenko, I.L.Kuvaga, P.T.Prokofev, L.I.Simonova, G.L.Rezvaya

Title: Spectra of $\gamma\gamma$ -Coincidences in ^{187}W from (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, E=thermal; measured $\gamma\gamma$ -coin. ^{187}W deduced levels.

Keynumber: 1991BO51

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 55, 841 (1991); Bull.Acad.Sci.USSR, Phys.Ser. 55, No.5, 8 (1991)

Authors: S.T.Boneva, E.V.Vasileva, V.D.Kulik, H.K.Le, Yu.P.Popov, A.M.Sukhovi, D.K.Pharm, V.A.Khitrov, Y.V.Kholnov

Title: Construction of Complex γ -Decay Schemes of Compound Nuclear States on the Basis of Spectroscopic Data from the Reactions $(n,2\gamma)$ and $(n\gamma)$

Keyword abstract: NUCLEAR REACTIONS ^{186}W , $^{178}\text{Hf}(n,\gamma)$, E=thermal; measured $\gamma\gamma$ -coin, summing amplitude. ^{179}Hf , ^{187}W deduced γ -decay scheme, multiplets.

Keynumber: 1989BOZM

Reference: Program and Thesis, Proc.39th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Tashkent, p.120 (1989)

Authors: S.T.Boneva, Yu.P.Popov, P.T.Prokofev, G.L.Rezvaya, A.M.Sukhovej, V.A.Khitrov

Title: Investigation of ^{187}W Levels Excited in Reactions Induced by Neutrons

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$,E=thermal; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{187}W deduced levels.

Keynumber: 1989BOYT

Reference: JINR-P6-89-10 (1989)

Authors: V.A.Bondarenko, S.T.Boneva, E.V.Vasileva, I.L.Kuvaga, Yu.P.Popov, P.T.Prokofev, G.L.Rezvaya, A.M.Sukhovi, V.A.Khitrov

Title: Investigation of the ^{187}W Level Excited by Means of the Reaction $(n,2\gamma)$

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$,E=reactor; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{187}W deduced levels. Amplitude summation method.

Keynumber: 1989BEYS

Reference: Program and Thesis, Proc.39th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Tashkent, p.119 (1989)

Authors: M.R.Beitins, P.T.Prokofev, G.L.Rezvaya, L.I.Simonova

Title: ^{187}W Levels Excited in (n,γ) Reaction using Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$,E=thermal; measured $E\gamma, I\gamma$. ^{187}W deduced levels,neutron separation energy.

Keynumber: 1987KO37

Reference: Yad.Fiz. 46, 51 (1987)

Authors: V.N.Kononov, E.D.Poletaev, V.M.Timokhov, G.N.Manturov, M.V.Bokhovko, A.A.Voevodsky

Title: Fast Neutron Capture Cross Sections and Transmissions for Tungsten Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{180, 182, 183, 184, 186}\text{W}(n,\gamma)$,E=5-400 keV; $^{180, 182, 183, 184, 186}\text{W}(n,X)$,E=5-1000 keV; measured $\sigma(E)$,transmission. $^{181, 183, 185, 187}\text{W}$ deduced p-,d-wave neutron strength functions. Tof. Statistical theory analyses.

Keynumber: 1987KN08

Reference: Z.Naturforsch. 42a, 909 (1987)

Authors: K.Knopf, W.Waschkowski

Title: Wechselwirkung von Neutronen mit Wolfram und seinen Isotopen

Keyword abstract: NUCLEAR REACTIONS $^{182, 183, 184, 186}\text{W}(n,n)$, (n,γ) ,E=thermal; measured coherent neutron scattering lengths,total σ .

Keynumber: 1987BR05

Reference: Nucl.Phys. A465, 221 (1987)

Authors: A.M.Bruce, D.Hicks, D.D.Warner

Title: Average Resonance Capture Studies of $^{185, 187}\text{W}$: The Nilsson model and the SU(3) Bose-Fermi symmetry scheme

Keyword abstract: NUCLEAR REACTIONS $^{184, 186}\text{W}(n,\gamma)$ E=2,24 keV; measured $I(\gamma), E(\gamma)$. $^{185, 187}\text{W}$ deduced levels,J, π . Enriched target,average resonance capture spectroscopy.

Keynumber: 1986VO03

Reference: Nucl.Sci.Eng. 93, 43 (1986); Corrigendum Nucl.Sci.Eng. 96 343 (1987)

Authors: J.Voignier, S.Joly, G.Grenier

Title: Capture Cross Sections and Gamma-Ray Spectra from the Interaction of 0.5- to 3.0-MeV Neutrons with Nuclei in the Mass Range $A = 63$ to 209

Keyword abstract: NUCLEAR REACTIONS Cu, ^{89}Y , Zr , ^{93}Nb , La , Gd , ^{159}Tb , ^{181}Ta , Re , Pt , Tl , ^{209}Bi , $^{63, 65}\text{Cu}$, $^{155, 156, 157, 158, 160}\text{Gd}$, $^{182, 183, 184, 186}\text{W}$, $^{203, 205}\text{Tl}(n,\gamma)$, $E=0.5-3$ MeV; measured absolute $\sigma(E)$; deduced capture γ -multiplicity.

Keynumber: 1984BRZY

Reference: Bull.Am.Phys.Soc. 29, No.4, 719, GH9 (1984)

Authors: A.M.Bruce, W.Gelletly, D.Hicks, D.D.Warner, R.F.Casten

Title: $^{185,187}\text{W}$ and $\text{U}(6/12)$ Boson-Fermion Symmetry

Keyword abstract: NUCLEAR REACTIONS $^{184, 186}\text{W}(n,\gamma)$, $E=2,24$ keV; measured not given. $^{185, 187}\text{W}$ deduced levels, J,π . Average resonance capture technique, boson-fermion symmetry applicability.

Keynumber: 1983MA20

Reference: Nucl.Sci.Eng. 84, 98 (1983)

Authors: R.L.Macklin, D.M.Drake, E.D.Arthur

Title: Neutron Capture Cross Sections of ^{182}W , ^{183}W , ^{184}W , and ^{186}W from 2.6 to 2000 keV

Keyword abstract: NUCLEAR REACTIONS $^{182, 183, 184, 186}\text{W}(n,\gamma)$, $E=2.6-2000$ keV; measured σ (capture) vs E . ^{184}W deduced resonances, J,π , $(g\Gamma\gamma\Gamma_n/\Gamma)$. $^{183, 185, 187}\text{W}$ deduced resonances, J,π , $(g\Gamma\gamma\Gamma_n/\Gamma)$, $\langle\Gamma\gamma\rangle$, s -, p -, d -wave strength functions, average level spacing.

Keynumber: 1982MAZS

Reference: LA-9200-MS (1982)

Authors: R.L.Macklin, D.M.Drake, E.D.Arthur

Title: Neutron-Capture Cross Sections of the Tungsten Isotopes ^{182}W , ^{183}W , ^{184}W , and ^{186}W from 2.6 to 2000 keV

Keyword abstract: NUCLEAR REACTIONS $^{182, 183, 184, 186}\text{W}(n,\gamma)$, $E=2.6-2000$ keV; measured σ (capture) vs E . $^{183, 184, 185, 187}\text{W}$ deduced resonances, $J,\pi,\Gamma\gamma$, resonance parameters.

Keynumber: 1981VOZW

Reference: CEA-R-5089 (1981)

Authors: J.Voignier, S.Joly, G.Grenier

Title: Neutron Capture Cross Section Measurements of Rubidium, Yttrium, Niobium, Gadolinium, Tungsten, Platinum and Thallium between 0.5 and 3.0 MeV

Keyword abstract: NUCLEAR REACTIONS Rb , Y , Nb , Gd , W , Pt , Tl , $^{155, 156, 157, 158, 160}\text{Gd}$, $^{182, 183, 184, 186}\text{W}$, $^{203, 205}\text{Tl}(n,\gamma)$, $E=0.5-3$ MeV; measured absolute σ . Integrated spectrum method.

Keynumber: 1981VOZU

Coden: REPT NEANDC(E)-210-L, Voignier

Keyword abstract: NUCLEAR REACTIONS Rb , Y , Nb , Gd , W , Pt , Tl , $^{155, 156, 157, 158, 160}\text{Gd}$, $^{182, 183, 184, 186}\text{W}$, $^{203, 205}\text{Tl}(n,\gamma)$, $E=0.5-3$ MeV; measured absolute σ (capture) vs E . Integrated spectrum method.

Keynumber: 1981GRZY

Reference: CEA-N-2195 (1981)

Authors: G.Grenier, J.Voignier, S.Joly

Title: Capture Cross-Section Measurements for Different Elements at Neutron Energies between 0.5 and 3.0 MeV

Keyword abstract: NUCLEAR REACTIONS Rb, ^{89}Y , ^{93}Nb , Gd, W, Pt, Tl, 155 , 156 , 157 , 158 , ^{160}Gd , 182 , 183 , 184 , ^{186}W , 203 , $^{205}\text{Tl}(n,\gamma)$, $E=0.5-3$ MeV; measured $\sigma(E)$. NaI scintillator, γ -detection. Statistical model.

Keynumber: 1981BAYY

Reference: Program and Thesis, Proc.31st Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Samarkand, p.574 (1981)

Authors: S.V.Bakhmutkin, A.A.Nosov, A.A.Rimsky-Korsakov, V.V.Smirnov

Title:

Keyword abstract: NUCLEAR REACTIONS 180 , $^{186}\text{W}(n,\gamma)$, $E=4.9-467$ eV; measured σ .

Keynumber: 1980MA02

Reference: Phys.Scr. 21, 21 (1980)

Authors: G.Magnusson, P.Andersson, I.Bergqvist

Title: 14.7 MeV Neutron Capture Cross-Section Measurements with Activation Technique

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{55}Mn , ^{89}Y , ^{127}I , ^{138}Ba , ^{186}W , $^{197}\text{Au}(n,\gamma)$, $E=14.7$ MeV; measured σ . Activation technique.

Keynumber: 1979MAZF

Reference: NEANDC(OR)-152L, p.12 (1979)

Authors: G.Magnusson, P.Andersson, I.Bergqvist

Title: MeV Neutron Capture Cross Section Measurements with Activation Technique

Keyword abstract: NUCLEAR REACTIONS ^{55}Mn , ^{89}Y , ^{127}I , ^{138}Ba , ^{186}W , $^{197}\text{Au}(n,\gamma)$, $E=14-15$ MeV; measured σ .

Keynumber: 1979GRZO

Reference: Bull.Am.Phys.Soc. 24, No.7, 871, CC5 (1979)

Authors: G.Grenier, J.P.Delaroche, S.Joly, Ch.Lagrange, J.Voignier

Title: Neutron Capture Cross Sections of Y, Nb, Gd, W and Au between 0.5 MeV and 3.0 MeV

Keyword abstract: NUCLEAR REACTIONS Y, Nb, Gd, W, 155 , 156 , 157 , 158 , ^{160}Gd , 182 , 183 , 184 , ^{186}W , $\text{Au}(n,\gamma)$, $E=0.5$ MeV-3.0 MeV; measured σ . Statistical model calculations.

Keynumber: 1979BRZM

Reference: Bull.Am.Phys.Soc. 24, No.7, 871, CC10 (1979)

Authors: T.Bradley, M.L.Stelts, R.E.Chrien, Z.Parsa

Title: Stellar Nucleosynthesis and the 24-keV Neutron Capture Cross Sections of Some Heavy Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{112}Sn , ^{130}Ba , ^{146}Nd , ^{186}W , 190 , $^{192}\text{Os}(n,\gamma)$, $E=24$ keV; measured σ .

Keynumber: 1979AG02

Reference: J.Phys.Soc.Jpn. 46, 1 (1979)

Authors: H.M.Agrawal, M.L.Sehgal

Title: Statistical Theory Calculations of Neutron-Capture Cross-Sections at 24 keV

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{55}Mn , 63 , ^{65}Cu , 69 , ^{71}Ga , ^{75}As , 79 , ^{81}Br , ^{80}Se , 85 , ^{87}Rb , ^{89}Y , ^{93}Nb , ^{96}Zr , 98 , ^{100}Mo , 107 , ^{109}Ag , ^{108}Pd , ^{114}Cd , ^{115}In , ^{127}I , ^{133}Cs , ^{138}Ba , ^{139}La , 140 , ^{142}Ce ,

¹⁴¹Pr, ¹⁵², ¹⁵⁴Sm, ¹⁵⁸, ¹⁶⁰Gd, ¹⁶⁴Dy, ¹⁶⁵Ho, ¹⁷⁰Er, ¹⁷⁵Lu, ¹⁸⁰Hf, ¹⁸¹Ta, ¹⁸⁴, ¹⁸⁶W, ¹⁸⁵, ¹⁸⁷Re, ¹⁹⁷Au, ²⁰²Hg, ²⁰⁸Pb, ²⁰⁹Bi, ²³²Th(n, γ),E=24 keV; calculated σ ; deduced ratio of average $\Gamma\gamma$ to average level spacing. Margolis formula of statistical theory, low energy resonance parameters.

Keynumber: 1976SC16

Reference: Nucl.Phys. A264, 105 (1976)

Authors: O.Schwerer, M.Winkler-Rohatsch, H.Warhanek, G.Winkler

Title: Measurement of Cross Sections for 14 MeV Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ³⁷Cl, ⁴¹K, ⁵⁰Ti, ⁵¹V, ⁵⁵Mn, ⁷¹Ga, ⁸⁷Rb, ⁸⁹Y, ¹²⁷I, ¹³⁰Te, ¹³⁸Ba, ¹³⁹La, ¹⁴²Ce, ¹⁸⁶W, ¹⁹⁸Pt, ¹⁹⁷Au(n, γ),E=14.6 MeV; measured σ . Natural targets.

Keynumber: 1974SI11

Reference: Ann.Phys.(New York) 83, 355 (1974)

Authors: K.Siddappa, M.S.Murty, J.R.Rao

Title: Neutron Strength Functions of Nuclei in the Deformed Region

Keyword abstract: NUCLEAR REACTIONS ¹³⁸Ba, ¹⁴⁰, ¹⁴²Ce, ¹⁴⁶, ¹⁴⁸Nd, ¹⁵², ¹⁵⁴Sm, ¹⁵⁸, ¹⁶⁰Gd, ¹⁵⁹Tb, ¹⁶⁹Tm, ¹⁷⁰Er, ¹⁷⁴, ¹⁷⁶Yb, ¹⁸⁰Hf, ¹⁸¹Ta, ¹⁸⁶W, ¹⁹⁰, ¹⁹²Os, ¹⁹⁷Au, ²⁰²Hg(n, γ),E=18-28 keV; measured σ ; deduced p-wave strength functions.

Reference: Can.J.Phys. 52, 1160 (1974)

Authors: B.Singh, M.W.Johns

Title: Spin Determinations in Low Lying States of ¹⁵¹Sm

Keyword abstract: RADIOACTIVITY ¹⁵¹Pm; measured $\gamma\gamma(\theta)$, I γ . ¹⁵¹Sm levels deduced J, π , γ -mixing, λ .

Keynumber: 1974COZX

Coden: JOUR BAPSA 19 111 KI13

Keyword abstract: NUCLEAR REACTIONS ¹⁵²Sm, ¹⁶², ¹⁶⁴Dy, ¹⁷⁰Yb, ¹⁸⁶W(n, γ); measured $\sigma(E)$. ¹⁵³Sm, ¹⁶³, ¹⁶⁵Dy, ¹⁷¹Yb, ¹⁸⁷W levels deduced level-width.

Keynumber: 1974COYZ

Coden: REPT USNDC-11 P42

Keyword abstract: NUCLEAR REACTIONS ¹⁵⁴Sm, ¹⁷⁰Yb, ¹⁸⁶W, ¹⁵⁶Gd(n, γ); measured $\sigma(E\gamma)$.

Keynumber: 1974COYX

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P31

Keyword abstract: NUCLEAR REACTIONS ¹⁵²Sm, ¹⁷⁰Yb, ¹⁶², ¹⁶⁴Dy, ¹⁸⁶W(n, γ),E=0.025 eV,thermal; measured σ .

Keynumber: 1974COYK

Coden: REPT BNL-18976,mf

Keyword abstract: NUCLEAR REACTIONS ¹⁶², ¹⁶⁴Dy, ¹⁵²Sm, ¹⁷⁰Yb, ¹⁸⁶W(n, γ),E=epithermal; measured $\sigma(E\gamma)$. ¹⁶³, ¹⁶⁵Dy, ¹⁵³Sm resonances deduced J.

Keynumber: 1974CA18

Reference: Nucl.Phys. A228, 493 (1974)

Authors: R.F.Casten, D.Breitig, O.A.Wasson, K.Rimawi, R.E.Chrien

Title: The ¹⁸⁶W(n, γ)¹⁸⁷W Reaction at 24 keV, Hexadecapole Deformations, and Fragmentation of

Nilsson Model Strength

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, E=24 keV, thermal; measured $E\gamma, I\gamma$. ^{187}W deduced levels, J, π . ^{179}Hf , 183 , 184 , ^{187}W obtained $\geq \sigma(d,p)$ systematics. Enriched targets, Ge(Li) detectors.

Keynumber: 1973YOZM

Coden: REPT LA-5375-PR P15

Keyword abstract: NUCLEAR REACTIONS 182 , 183 , 184 , $^{186}\text{W}(n,\gamma)$; analyzed data.

Keynumber: 1973PRZI

Reference: Spectra of Electromagnetic Transitions and Level Schemes Following Thermal Neutron Capture by Nuclides with A 143-193, P.Prokofev, J.Berzins, G.Rezvaya, Eds., Publishing House 'Zinatne', Riga (1973)

Authors: P.Prokofev, M.Balodis, M.Beitins, Y.Berzin, V.Bondarenko, N.Kramer, A.Krumina, G.Rezvaya, L.Simonova

Title:

Keyword abstract: NUCLEAR REACTIONS 143 , ^{145}Nd , ^{149}Sm , ^{167}Er , ^{174}Yb , 175 , ^{176}Lu , 177 , ^{178}Hf , ^{181}Ta , $^{186}\text{W}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma, I(\text{ce})$. Deduced ICC. ^{151}Eu , $^{155}\text{Gd}(n,\gamma)$, E=thermal; measured $E\gamma, I(\text{ce})$. Deduced ICC. ^{157}Gd , 162 , ^{164}Dy , ^{165}Ho , ^{168}Yb , $^{169}\text{Tm}(n,\gamma)$, E=thermal; measured I (ce). Deduced ICC. 191 , $^{193}\text{Ir}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma$. ^{144}Nd , ^{150}Sm , 156 , ^{158}Gd , 163 , ^{165}Dy , ^{166}Ho , ^{168}Er , 169 , 175 , ^{177}Yb , ^{170}Tm , ^{176}Lu , ^{178}Hf , ^{182}Ta deduced levels, J, π , γ -multipolarities. ^{146}Nd , ^{185}W , ^{194}Ir deduced levels, J, π . ^{152}Eu deduced transitions, γ -multipolarities. ^{187}W , ^{192}Ir deduced transitions.

Keynumber: 1973NEZX

Reference: Priv.Comm. (October 1973)

Authors: D.Netzband, H.Prade

Keyword abstract: NUCLEAR REACTIONS 184 , $^{186}\text{W}(n,\gamma)$; measured $E\gamma, I\gamma$. 185 , ^{187}W deduced transitions.

Keynumber: 1973CAYT

Coden: JOUR BAPSA 18 1380 AB13

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$; measured $\sigma(E\gamma), \gamma(\theta)$. ^{187}W levels deduced J, π .

Keynumber: 1973CAXQ

Coden: REPT EANDC(US)-186'U' P66

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$; measured $E\gamma$. ^{187}W deduced levels.

Keynumber: 1972ST06

Reference: Nucl.Phys. A181, 250 (1972)

Authors: F.Stecher-Rasmussen, J.Kopecky, K.Abrahams, W.Ratynski

Title: Circular Polarization of Neutron Capture γ -Rays from Mn, Ni, Ga and W

Keyword abstract: NUCLEAR REACTIONS ^{55}Mn , 58 , 60 , ^{62}Ni , 69 , ^{71}Ga , 182 , 183 , $^{186}\text{W}(polarized n,\gamma)$, E=thermal; measured γ -CP. ^{56}Mn , 59 , 61 , ^{63}Ni , 70 , ^{72}Ga , 183 , 184 , ^{187}W levels deduced J, π . Natural targets.

Keynumber: 1972RA26

Reference: Nucl.Sci.Eng. 48, 219 (1972)

Authors: F.Rahn, H.S.Camarda, G.Hacken, W.W.Havens,Jr., H.I.Liou, J.Rainwater, M.Slagowitz, S.Wynchank

Title: Values of the Neutron Resonance Capture Integral for Some Rare Earth Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{152, 154}\text{Sm}$, ^{153}Eu , $^{154, 158, 160}\text{Gd}$, $^{166, 167, 168, 170}\text{Er}$, $^{168, 170, 171, 172, 174, 176}\text{Yb}$, ^{175}Lu , $^{182, 183, 184, 186}\text{W}(n,\gamma)$; calculated resonance integrals.

Keynumber: 1972ANZW

Reference: Contrib.Conf.Nucl.Structure Study with Neutrons, Budapest, p.98 (1972)

Authors: W.Andrejscheff, P.Manfrass, H.Prade

Title: Investigation of Nanosecond Isomeric Transitions in ^{177}Lu , ^{187}W using the (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{176}Lu , $^{186}\text{W}(n,\gamma)$, measured $\gamma\gamma$ -delay. ^{177}Lu , ^{187}W levels deduced $T_{1/2}$.

Keynumber: 1972ANZE

Reference: Contrib.Conf.Nuclear Structure Study with Neutrons, Budapest, p.98 (1972)

Authors: W.Andrejscheff, P.Manfrass, H.Prade

Title: Investigations of Nanosecond Isomeric Transitions in ^{177}Lu and ^{187}W Using the (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS $^{176}\text{Lu}(n,\gamma)$, $^{186}\text{W}(n,\gamma)$; measured $\gamma\gamma(t)$. ^{177}Lu , ^{187}W level deduced $T_{1/2}$.

Keynumber: 1971RAZF

Reference: INR-1262 (1971)

Authors: W.Ratynski

Title: Circular Polarization of Gamma Rays

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , $^{69, 71}\text{Ga}$, $^{182, 183}\text{W}$, $^{186}\text{W}(n,\gamma)$, $E=\text{thermal}$; measured γ -polarization. ^{28}Al , $^{70, 72}\text{Ga}$, $^{183, 184, 187}\text{W}$ levels deduced J,π .

Keynumber: 1971PRZT

Coden: CONF Moscow(NuclSpectros,Structure) Abstr P126

Keyword abstract: NUCLEAR STRUCTURE ^{18}O , ^{18}F ; calculated levels; analyzed off-shell effects.

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, $E=\text{th}$; measured $E\gamma, I(\text{ce})$. ^{187}W deduced transitions, ICC, multipolarity.

Keynumber: 1971NAZW

Reference: Proc.3rd Intern.Conf.Neutron Cross Sections and Technology, Knoxville, Vol.1, p.259 (1971)

Authors: R.J.Nagle, J.H.Landrum, M.Lindner

Title: Neutron Capture Cross Sections in the MeV Range

Keyword abstract: NUCLEAR REACTIONS ^{114}Cd , ^{181}Ta , ^{186}W , $^{185, 187}\text{Re}$, $^{191, 193}\text{Ir}$, ^{197}Au , ^{232}Th , ^{237}Np , $^{238}\text{U}(n,\gamma)$, $E=0.1-3$ MeV; measured $\sigma(E)$.

Keynumber: 1971MEZN

Coden: JOUR BAPSA 16 1181, M L Mehta, 10/29/71

Keyword abstract: NUCLEAR REACTIONS $^{166, 168, 170}\text{Er}$, $^{182, 184, 186}\text{W}$, ^{238}U , $^{232}\text{Th}(n,\gamma)$, analyzed available data; deduced widths, level spacings.

Keynumber: 1971HAXR

Coden: REPT NCSAC-42,P61,G Hacken,5/19/72

Keyword abstract: NUCLEAR REACTIONS $^{152, 154}\text{Sm}$, $^{151, 153}\text{Eu}$, $^{154, 158, 160}\text{Gd}$, $^{166, 167, 168, 170}\text{Er}$, $^{168, 170, 171, 172, 174, 176}\text{Yb}$, ^{175}Lu , $^{182, 183, 184, 186}\text{W}(n,\gamma)$, measured capture resonance integrals.

Keynumber: 1970DI03

Reference: Acta Phys. 28, 257 (1970)

Authors: M.Diksic, P.Strohal, G.Peto, P.Bornemisza-Pausperl, I.Hunyadi, J.Karolyi

Title: Additional Measurements of the Radiative Capture Cross Sections for 3 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{63}Cu , ^{74}Ge , ^{75}As , ^{80}Se , ^{81}Br , ^{130}Te , ^{141}Pr , ^{186}W , ^{209}Bi (n,γ), $E=3$ MeV; measured σ . ^{75}Ge , ^{81}Se , ^{142}Pr deduced isomeric σ ratios, spin cut-off parameters.

Keynumber: 1969MUZQ

Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p.579 (1969)

Authors: J.Murray, B.W.Thomas, E.R.Rae

Title: Some Statistical Properties of Partial Radiation Widths in Tungsten

Keyword abstract: NUCLEAR REACTIONS $^{182, 184, 186}\text{W}(n,\gamma)$, $E=\text{resonance}$; measured $E\gamma, I\gamma$. $^{183, 185, 187}\text{W}$ deduced resonances, level-width.

Keynumber: 1969MCZY

Coden: THESIS D McClure, Univ Missouri, DABBB 31B P2906

Keyword abstract: RADIOACTIVITY ^{66}Ge ; measured $E\gamma, I\gamma, I(\text{ce})$. ^{66}Ga deduced levels J, π, γ -branching, γ -multipolarity.

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{105}Pd , ^{187}W deduced levels, γ -branching.

Keynumber: 1969BOZN

Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En. Agency, Vienna, p.389 (1969)

Authors: H.H.Bolotin, D.A.McClure

Title: Level Structure of Low-Lying Excited States of ^{187}W

Keyword abstract: NUCLEAR REACTIONS $^{186}\text{W}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{187}W deduced levels, J, π, γ -branching.

Keynumber: 1968BEZX

Reference: Proc.Conf.Slow-Neutron-Capture Gamma-Ray Spectr., Argonne, Ill. (1966), F.E.Throw, Ed., ANL-7282, p.459 (1968)

Authors: M.Beer, M.Bhat, R.E.Chrien, M.A.Lone, O.A.Wasson

Title: Resonance (n,γ) Spectra in Tungsten Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{182, 184, 186}\text{W}(n,\gamma)$, $E = \text{resonance}$; measured $E\gamma$. Ge(Li) detector.

Keynumber: 1967PR09

Reference: Phys.Rev. 160, 1038 (1967)

Authors: W.V.Prestwich, R.E.Cote

Title: Resonance Neutron Capture in the Even-A Isotopes of Tungsten

Keyword abstract: NUCLEAR REACTIONS $^{182, 186}\text{W}(n,\gamma)$, $E=\text{resonance}$; measured $\sigma(E\gamma)$. $^{183, 187}\text{W}$

resonances deduced level-width.
