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60 reference(s) found :

Keynumber: 2001VA11

Reference: Yad.Fiz. 64, No 2, 195 (2001); Phys.Atomic Nuclei 64, 153 (2001)

Authors: E.V.Vasilieva, A.M.Sukhovej, V.A.Khitrov

Title: Direct Experimental Estimate of Parameters That Determine the Cascade Gamma Decay of Compound States of Heavy Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{113}Cd , ^{123}Te , ^{127}I , ^{149}Sm , ^{155}Gd , ^{159}Tb , ^{169}Tm , ^{180}Hf , ^{189}Os , ^{191}Ir , ^{195}Pt , $^{199}\text{Hg}(n,\gamma)$, E=thermal; measured $E\gamma$, 2-step photon cascades. ^{114}Cd , ^{124}Te , ^{128}I , ^{150}Sm , ^{156}Gd , ^{160}Tb , ^{170}Tm , ^{181}Hf , ^{190}Os , ^{192}Ir , ^{196}Pt , ^{200}Hg deduced level densities vs excitation energy, sum of radiative strengths for E1 and M1 transitions. Comparison with Statistical Model calculations.

Keynumber: 1999SU03

Reference: Yad.Fiz. 62, No 1, 24 (1999); Phys.Atomic Nuclei 62, 19 (1999)

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

Title: Experimental Estimate of the Density of Levels in a Heavy Nucleus That Are Excited in (n, γ) Reactions at Excitation Energies of 3 to 4 MeV

Keyword abstract: NUCLEAR REACTIONS ^{113}Cd , ^{123}Te , ^{145}Nd , ^{149}Sm , 155 , ^{157}Gd , 162 , 163 , ^{164}Dy , ^{167}Er , 173 , ^{174}Yb , 177 , 178 , ^{180}Hf , 187 , ^{189}Os , ^{195}Pt , ^{199}Hg , ^{127}I , ^{159}Tb , ^{165}Ho , ^{169}Tm , ^{175}Lu , ^{181}Ta , ^{191}Ir , ^{197}Au , ^{124}Te , 182 , $^{185}\text{W}(n,\gamma)$, E=thermal; analyzed $I\gamma$; deduced non-exponential level densities.

Keynumber: 1999GR06

Reference: Yad.Fiz. 62, No 2, 227 (1999); Phys.Atomic Nuclei 62, 192 (1999)

Authors: O.T.Grudzevich

Title: Energy Dependence of Radiative Strength Functions and Photon Spectra

Keyword abstract: NUCLEAR STRUCTURE A=50-185; analyzed E1,M1 radiative strength functions.

Keyword abstract: NUCLEAR REACTIONS ^{159}Tb , ^{165}Ho , ^{181}Ta , $^{197}\text{Au}(n,\gamma)$, E not given; Tb (n, γ), E=0.01,0.4,0.8 MeV; ^{56}Fe , $^{52}\text{Cr}(n,\gamma)$, E=14 MeV; ^{45}Sc , ^{89}Y , ^{93}Nb , ^{127}I , ^{133}Cs , ^{141}Pr , ^{139}La , ^{209}Bi (n, γ), E=0.5 MeV; analyzed $E\gamma$; deduced energy dependence of E1,M1 radiative strength functions, E2 radiative widths.

Keynumber: 1999BO14

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

Authors: S.T.Boneva, E.V.Vasilieva, 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}Te , ^{127}I , 134 , 136 , 137 , ^{138}Ba , ^{139}La , 142 , 143 , ^{145}Nd , ^{149}Sm , 155 , ^{157}Gd , ^{159}Tb , 162 , 163 , ^{164}Dy , ^{165}Ho , ^{167}Er , ^{169}Tm , 173 , 174 , ^{176}Yb , 175 , ^{176}Lu , 177 , 178 , 179 , ^{180}Hf , ^{181}Ta , 182 , ^{186}W , 187 , ^{189}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: 1998HUZY

Reference: INDC(CPR)-045 (1998)

Authors: X.Huang, H.Lu, W.Zhao, W.Yu, X.Han

Title: Neutron Activation Cross Section Measurements and Evaluations in CIAE

Keyword abstract: NUCLEAR REACTIONS $^{46, 47}\text{Ti}$, $^{54, 56}\text{Fe}$, ^{59}Co , $^{58, 60}\text{Ni}$, ^{64}Zn , $^{92}\text{Mo}(n,p)$, ^{54}Fe , ^{62}Ni , $^{63}\text{Cu}(n,\alpha)$, $^{58}\text{Ni}(n,np)$, ^{71}Ga , ^{159}Tb , $^{169}\text{Tm}(n,\gamma)$, ^{85}Rb , ^{93}Nb , ^{140}Ce , ^{175}Lu , ^{176}Hf , ^{181}Ta , $^{185, 187}\text{Re}(n,2n)$, $E \approx 5\text{-}20\text{ MeV}$; measured activation σ .

Keynumber: 1997YUZV

Reference: INDC(CPR)-043/L, p.72 (1997)

Authors: B.Yu

Title: Evaluation and Calculation of Activation Cross Sections for $^{158, 159}\text{Tb}(n,2n)$, $(n,3n)$, (n,γ) and (n,x) Reactions Below 20 MeV

Keyword abstract: NUCLEAR REACTIONS $^{158, 159}\text{Tb}(n,2n)$, $(n,3n)$, (n,γ) , (n,X) , $E < 20\text{ MeV}$; compiled, analyzed σ .

Keynumber: 1997SU29

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

Authors: A.M.Sukhovoi, 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 , $^{197}\text{Au}(n,\gamma)$, $E=\text{thermal}$; 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 , $^{238}\text{Np}(n,\gamma)$, $E=\text{reactor}$; measured $E\gamma$, $I\gamma$; deduced capture σ , resonance integral, least-squares fit parameters. Multi-element standard.

Keynumber: 1997CHZX

Reference: INDC(CPR)-043/L, p.9 (1997)

Authors: J.Chen, Z.Shi, G.Tang, G.Zhang, H.Lu, X.Han, X.Huang, Y.Chang, J.Wang, W.Wang

Title: Measurement of Activation Cross Sections for $^{159}\text{Tb}(n,\gamma)$, ^{160}Tb and $^{169}\text{Tm}(n,\gamma)$, ^{170}Tm Reactions

Keyword abstract: NUCLEAR REACTIONS ^{159}Tb , $^{169}\text{Tm}(n,\gamma)$, $E=0.57, 1.10, 1.60\text{ MeV}$; measured σ . Activation technique, other results compared.

Keynumber: 1995VAZX

Reference: Program and Thesis, Proc.45th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, St.Petersburg, p.95 (1995)

Authors: E.V.Vasilieva, A.V.Voinov, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov

Title: The ^{160}Tb Compound-State Cascade γ -Decay

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, $E=\text{thermal}$; measured $\gamma\gamma$ -coin, two-quanta cascade $I\gamma\gamma$. ^{160}Tb deduced two-step cascade intensities.

Keynumber: 1995VA42

Reference: Bull.Rus.Acad.Sci.Phys. 59, 1902 (1995)

Authors: E.V.Vasilieva, A.V.Voinov, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov

Title: Cascade γ -Decay of the Compound State of ^{160}Tb Nucleus

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma),E=\text{thermal}$; measured $\gamma\gamma$ -coin. ^{160}Tb deduced two-quantum cascades $I\gamma$.

Keynumber: 1989DU03

Reference: Nucl.Instrum.Methods Phys.Res. A278, 484 (1989)

Authors: P.Durner, T.von Egidy, F.J.Hartmann

Title: Neutron-Capture Gamma Rays below 40 keV

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , ^{39}K , ^{51}V , ^{127}I , ^{133}Cs , ^{159}Tb , ^{165}Ho , ^{169}Tm , ^{175}Lu , ^{181}Ta , ^{191}Ir , ^{197}Au , $^{232}\text{Th}(n,\gamma),E=\text{low}$; measured $E\gamma$, absolute $I\gamma$. ^{28}Al , ^{40}K , ^{52}V , ^{128}I , ^{134}Cs , ^{160}Tb , ^{166}Ho , ^{170}Tm , ^{176}Lu , ^{182}Ta , ^{192}Ir , ^{198}Au , ^{233}Th deduced transitions. Si-Li detector.

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}Cu , ^{65}Cu , ^{155}Gd , ^{156}Gd , ^{157}Gd , ^{158}Gd , ^{160}Gd , ^{182}W , ^{183}W , ^{184}W , ^{186}W , ^{203}Tl , $^{205}\text{Tl}(n,\gamma),E=0.5\text{-}3\text{ MeV}$; measured absolute $\sigma(E)$; deduced capture γ -multiplicity.

Keynumber: 1986IG01

Reference: Nucl.Phys. A457, 301 (1986)

Authors: M.Igashira, H.Kitazawa, M.Shimizu, H.Komano, N.Yamamuro

Title: Systematics of the Pygmy Resonance in keV Neutron Capture γ -Ray Spectra of Nuclei with $N \approx 82$ -126

Keyword abstract: NUCLEAR REACTIONS ^{141}Pr , ^{159}Tb , ^{165}Ho , ^{175}Lu , Ta , $^{197}\text{Au}(n,\gamma),E=10\text{-}800\text{ keV}$; measured $\sigma(E,E\gamma)$ versus θ ; deduced γ -ray strength functions. Natural targets.

Keynumber: 1986EL07

Reference: Acta Phys.Acad.Sci.Hung. 60, 261 (1986)

Authors: S.U.El-Kameesy, M.R.Radwan, Z.Miligy, A.Z.El-Behay

Title: Studies on the Decay of ^{160}Tb

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma),E=\text{thermal}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{160}Tb deduced levels, J,π,γ -multipolarity, δ . Ge, Ge-NaI(Tl) coincidence spectrometers. Rotation vibration model.

Keynumber: 1983IGZZ

Reference: NEANDC(J)-94/U, p.77 (1983)

Authors: M.Igashira, K.Udagawa, H.Kitazawa, N.Yamamuro

Title: Gamma-Ray Spectra from Capture of 400-keV Neutrons in Tb, Ho and Ta

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma),E \approx 410\text{ keV}$; Ta , $^{165}\text{Ho}(n,\gamma),E \approx 420\text{ keV}$; measured capture $E\gamma$, $I\gamma$; deduced structure. Statistical model.

Keynumber: 1983AH01

Reference: Ann.Nucl.Energy 10, 41 (1983)

Authors: A.Ahmad

Title: Analysis and Evaluation of Thermal and Resonance Neutron Activation Data

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{50}Ti , ^{50}Cr , ^{51}V , ^{55}Mn , ^{58}Fe , ^{59}Co , ^{74}Se , ^{85}Rb , 94 , ^{96}Zr , ^{123}Sb , ^{130}Ba , ^{133}Cs , ^{139}La , ^{140}Ce , ^{159}Tb , ^{180}Hf , ^{181}Ta , $^{197}\text{Au}(n,\gamma)$, E=thermal,epithermal; analyzed data. Generalized least-squares fit.

Keynumber: 1981SUZY

Reference: Bull.Am.Phys.Soc. 26, No.4, 551, BG9 (1981)

Authors: R.E.Sullivan, L.A.Becker, J.C.Browne

Title: Gamma-Ray Spectra from Neutron Capture on ^{159}Tb

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, E=0.001-100 keV; measured E γ ; deduced I γ . Three-crystal pair spectrometer. Peak fitting procedures.

Keynumber: 1979OH04

Reference: J.Nucl.Sci.Technol.(Tokyo) 16, 701 (1979)

Authors: M.Ohkubo, Y.Kawarasaki

Title: Slow Neutron Resonances in Terbium-159

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,X)$, (n,γ) , E=0-1200 eV; measured transmission, $\sigma(\text{capture})$. ^{160}Tb deduced resonances, $\langle\Gamma\gamma\rangle$ level spacing, s-wave strength function. Area, Monte Carlo analyses. Moxon-Rae detectors.

Keynumber: 1978SIZQ

Coden: REPT CEA-N-2037,P101,Simon

Keyword abstract: NUCLEAR REACTIONS ^{85}Rb , ^{133}Cs , ^{159}Tb , ^{176}Lu , $^{181}\text{Ta}(n,\gamma)$, E=0.00001 eV-20 MeV; evaluated σ . RESEND, parameters of revised ENDF/B IV file.

Keynumber: 1978PL05

Reference: Yad.Fiz. 27, 1487 (1978); Sov.J.Nucl.Phys. 27, 783 (1978)

Authors: V.A.Plyuiko, G.A.Prokopets

Title: A Possible Statistical Description of γ Radiation in Terms of an Exciton Model

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{133}Cs , $^{159}\text{Tb}(n,\gamma)$, E=14.1 MeV; calculated γ -spectra.

Keynumber: 1978OHZX

Coden: REPT NEANDC(J)-56/U,P8,Ohkubo

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,X)$, (n,γ) , E=resonance; measured σ . ^{160}Tb deduced resonance parameters.

Keynumber: 1978MI03

Reference: Phys.Rev. C17, 522 (1978)

Authors: M.Mizumoto, R.L.Macklin, J.Halperin

Title: Neutron Capture Cross Section of ^{159}Tb from 2.6 to 700 keV

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, E=2.6-700 keV; measured $\sigma(E,E\gamma)$, average E γ , average γ multiplicities. ^{160}Tb deduced resonance parameters, average level spacing.

Keynumber: 1977PO17

Reference: Yad.Fiz. 26, 14 (1977); Sov.J.Nucl.Phys. 26, 6 (1977)

Authors: A.B.Popov, K.Faykov, Hwan Cher Gou

Title: Parameters of Terbium Neutron Resonances

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, $(n,n'\gamma)$, $E=21-580$ keV; measured γ -yields. ^{160}Tb resonances deduced neutron resonance parameters.

Keynumber: 1975MAXZ

Coden: CONF Petten(Neutron Capture γ -ray Spect),Proc P578

Keyword abstract: NUCLEAR REACTIONS ^{180}Ta , $^{159}\text{Tb}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma(t)$. ^{181}Ta deduced levels, K, J, π .

Keynumber: 1975JAYM

Coden: CONF Petten(Neutron Capture γ -Ray Spect),Proc P165

Keyword abstract: NUCLEAR REACTIONS ^{121}Sb , ^{127}I , ^{159}Tb , $^{197}\text{Au}(n,\gamma)$, $E=1-800$ eV; measured γ -spectra; deduced width correlations.

Keynumber: 1975BUZI

Coden: REPT ANL-75-75,P147

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, (polarized n,γ), $E=\text{thermal}$; measured γ -coin, $E\gamma$, $I\gamma$. ^{160}Tb deduced levels, K, J, π .

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 ^{138}Ba , 140 , ^{142}Ce , 146 , ^{148}Nd , 152 , ^{154}Sm , 158 , ^{160}Gd , ^{159}Tb , ^{169}Tm , ^{170}Er , 174 , ^{176}Yb , ^{180}Hf , ^{181}Ta , ^{186}W , 190 , ^{192}Os , ^{197}Au , $^{202}\text{Hg}(n,\gamma)$, $E=18-28$ 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 ^{151}Sm

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

Keynumber: 1974RY01

Reference: J.Phys.(London) A7, 2318 (1974)

Authors: T.B.Ryves, K.J.Zieba

Title: The Resonance Integrals of ^{63}Cu , ^{65}Cu , ^{107}Ag , ^{159}Tb , ^{164}Dy , and ^{165}Ho

Keyword abstract: RADIOACTIVITY 64 , ^{66}Cu , ^{108}Ag , ^{166}Ho ; measured $T_{1/2}$.

Keyword abstract: NUCLEAR REACTIONS ^{159}Tb , $^{165}\text{Ho}(n,\gamma)$; measured σ . 63 , ^{65}Cu , $^{107}\text{Ag}(n,\gamma)$; analyzed data; deduced σ .

Keynumber: 1974MAYB

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P389

Keyword abstract: NUCLEAR REACTIONS ^{180}Ta , $^{159}\text{Tb}(n,\gamma)$; measured $E\gamma$, $I\gamma$. ^{181}Ta deduced levels.

Keynumber: 1974MAXA

Coden: REPT UCRL-75726,mf

Keyword abstract: NUCLEAR REACTIONS ^{180}Ta , $^{159}\text{Tb}(n,\gamma)$; measured $E\gamma, I\gamma, \gamma\gamma(t)$. ^{181}Ta , ^{160}Tb deduced levels, γ -mixing, J, π .

Keynumber: 1974KE01

Reference: Nucl.Phys. A221, 333 (1974)

Authors: J.Kern, G.Mauron, B.Michaud, K.Schreckenbach, T.Von Egidy, W.Mampe, H.R.Koch, H.A.Baader, D.Breitig, U.Gruber, B.P.K.Maier, O.W.B.Schult, J.T.Larsen, R.G.Lanier, J.J.Tamberg, M.K.Balodis

Title: Nuclear Levels in ^{160}Tb

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, E(\text{ce}), I(\text{ce})$, $\gamma\gamma$ -coin; deduced Q . ^{160}Tb deduced levels, J, π, K .

Keynumber: 1974JAZJ

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P41

Keyword abstract: NUCLEAR REACTIONS ^{121}Sb , ^{127}I , ^{159}Tb , $^{197}\text{Au}(n,\gamma)$, $E=1-800$ eV; measured $\sigma(E, E\gamma)$, analyzed data for non-statistical effects. ^{160}Tb deduced intermediate structure.

Keynumber: 1974JA14

Reference: Nucl.Phys. A223, 509 (1974)

Authors: A.P.Jain, B.Cauvin, A.Lottin

Title: Width Correlations and Intermediate Structure in the n - γ Spectra of Au, Sb, I and Tb

Keyword abstract: NUCLEAR REACTIONS ^{197}Au , ^{121}Sb , ^{127}I , $^{159}\text{Tb}(n,\gamma)$, $E=0-600$ eV; measured ratio of high, low energy γ -rays. ^{122}Sb , ^{128}I , ^{160}Tb , ^{198}Au deduced resonances J, π , level-width, width correlations, intermediate structure.

Keynumber: 1973RIZJ

Coden: JOUR BAPSA 18 1402 CE9

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{160}Tb deduced levels.

Keynumber: 1973LAYG

Reference: RCN-191 (1973)

Authors: G.Lautenbach

Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products

Keyword abstract: NUCLEAR REACTIONS ^{81}Br , $^{83, 84, 85, 86}\text{Kr}$, $^{85, 87}\text{Rb}$, $^{88, 90}\text{Sr}$, ^{89}Y , $^{91, 92, 93, 94, 95, 96}\text{Zr}$, $^{95, 97, 98, 100}\text{Mo}$, ^{99}Tc , $^{101, 102, 104, 106}\text{Ru}$, ^{103}Rh , $^{105, 106, 107, 108, 110}\text{Pd}$, ^{109}Ag , $^{111, 112, 113, 114}\text{Cd}$, ^{115}In , $^{126, 128, 130}\text{Te}$, $^{127, 129}\text{I}$, $^{131, 132, 134, 136}\text{Xe}$, $^{133, 135, 137}\text{Cs}$, ^{138}Ba , ^{139}La , $^{140, 142}\text{Ce}$, ^{141}Pr , $^{143, 144, 145, 146, 148, 150}\text{Nd}$, ^{147}Pm , $^{147, 148, 149, 150, 151, 152, 154}\text{Sm}$, $^{153, 154, 155}\text{Eu}$, $^{155, 156, 157, 158}\text{Gd}$, $^{159}\text{Tb}(n,\gamma)$; calculated $\sigma(E)$.

Keynumber: 1973KE11

Reference: Helv.Phys.Acta 46, 60 (1973)

Authors: J.Kern, G.Mauron, B.Michaud, L.A.Schaller, R.Koch, B.P.K.Maier, D.Breitig, O.W.B.Schult, K.Schreckenbach, T.v.Egidy, W.Mampe

Title: Nuclear Levels in ^{160}Tb

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$; measured $E\gamma, \gamma\gamma$ -coin, $I(\text{ce})$. ^{160}Tb deduced levels, J, π, γ -multipolarity.

Keynumber: 1973JAYX

Coden: REPT EANDC(E)-157/U Vol2 P11

Keyword abstract: NUCLEAR REACTIONS ^{121}Sb , ^{127}I , ^{159}Tb , $^{197}\text{Au}(n,\gamma)$; measured $E\gamma$. ^{122}Sb , ^{128}I , ^{160}Tb , ^{198}Au deduced resonances.

Keynumber: 1973HE15

Reference: Z.Phys. 258, 315 (1973)

Authors: R.Henkemann

Title: Low Energy Gamma Rays from Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{59}Co , Cu , Se , In , La , ^{141}Pr , Nd , Sm , Eu , Gd , ^{159}Tb , Dy , ^{165}Ho , Er , ^{169}Tm , Lu , $\text{Hg}(n,\gamma)$; measured $E\gamma$, $I\gamma$.

Keynumber: 1973HAYP

Coden: REPT EANDC(US)-186'U' P6

Keyword abstract: NUCLEAR REACTIONS 98 , ^{100}Mo , ^{109}Ag , 127 , ^{129}I , ^{139}La , 151 , ^{153}Eu , ^{159}Tb , ^{169}Tm , $^{181}\text{Ta}(n,\gamma)$; measured integral σ .

Keynumber: 1973COWY

Coden: REPT USNDC-7 P32

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$; measured $E\gamma$, $I\gamma$.

Keynumber: 1973CAYG

Coden: REPT EANDC(E)-157/U Vol2 P12

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$; measured $\sigma(E)$. ^{160}Tb deduced resonances, level-width.

Keynumber: 1973BUZO

Coden: JOUR BAPSA 18 630 EL14

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$; ^{160}Tb deduced levels.

Keynumber: 1973BUYT

Coden: REPT ANL-8035 P17

Keyword abstract: NUCLEAR REACTIONS ^{159}Tb , ^{149}Sm , $^{181}\text{Ta}(n,\gamma)$; measured $\sigma(E\gamma)$. ^{160}Tb , ^{150}Sm , ^{182}Ta deduced levels.

Keynumber: 1972SI20

Reference: J.Phys.(London), A5, 877 (1972)

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

Title: p Wave Neutron Capture in Medium and Heavy Weight Nuclei

Keyword abstract: NUCLEAR REACTIONS 74 , ^{78}Se , ^{84}Sr , ^{109}Ag , ^{122}Te , ^{159}Tb , ^{169}Tm , 174 , ^{176}Yb , 178 , ^{179}Hf , $^{192}\text{Os}(n,\gamma)$, $E=25$ keV; measured average σ .

Keynumber: 1972SCYT

Coden: CONF Teddington(Atomic Masses, Fund Constants),P123

Keyword abstract: NUCLEAR REACTIONS 107 , ^{109}Ag , ^{139}La , ^{150}Sm , 151 , ^{152}Eu , 155 , ^{157}Gd , ^{159}Tb , 168 , 171 , ^{174}Yb , ^{178}Hf , 181 , ^{182}Ta , 197 , ^{198}Au , ^{199}Hg , $^{232}\text{Th}(n,\gamma)$; measured $E\gamma$. 108 , ^{110}Ag , ^{140}La , ^{151}Sm , 152 , ^{153}Eu , 156 , ^{158}Gd , ^{160}Tb , 169 , 172 , ^{175}Yb , ^{179}Hg , 182 , ^{183}Ta , 198 , ^{199}Au , ^{200}Hg , ^{233}Th deduced transitions.

Keynumber: 1972KEZS

Coden: CONF Budapest,Contributions,P102,J Kern,10/11/72

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, measured $E\gamma, I\gamma, \gamma\gamma$ -coin, γ -CP. ^{160}Tb deduced levels, J, π .

Keynumber: 1972HAWB

Coden: REPT ANCR-1088,P3,Y Harker,12/11/72

Keyword abstract: NUCLEAR REACTIONS ^{99}Tc , ^{103}Rh , ^{133}Cs , ^{102}Ru , ^{147}Pm , ^{109}Ag , ^{104}Ru , ^{98}Mo , ^{141}Pr , ^{148}Nd , ^{150}Nd , ^{127}I , ^{107}Ag , 140 , ^{142}Ce , ^{159}Tb , 121 , ^{123}Sb , $^{158}\text{Gd}(n,\gamma)$; measured σ .

Keynumber: 1972BO23

Reference: Nucl.Phys. A189, 334 (1972)

Authors: J.P.Boisson, S.Jang

Title: Direct and Semi-Direct Radiative Capture of Nucleons in Deformed Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{160}Gd , ^{159}Tb , ^{208}Pb , $^{238}\text{U}(n,\gamma)$, $E=14$ MeV; calculated σ ($E\gamma$).

Keynumber: 1971RI16

Reference: Nucl.Phys. A176, 545 (1971)

Authors: F.Rigaud, J.L.Irigaray, G.Y.Petit, G.Longo, F.Saporetta

Title: Spectra of High-Energy Photons Following the Capture of 14 MeV Neutrons by ^{133}Cs , ^{139}La , Ce and ^{159}Tb

Keyword abstract: NUCLEAR REACTIONS ^{133}Cs , ^{139}La , Ce, $^{159}\text{Tb}(n,\gamma)$, $E_n=14.06$ MeV; measured σ ($E\gamma$); deduced integrated σ . Natural targets.

Keynumber: 1971LOZS

Coden: REPT AECL-3912,PRP-89,P61,9/27/71

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, $E < 120$ eV; measured $E\gamma, I\gamma$. $^{201}\text{Hg}(n,\gamma)$, $E=43,70$ eV reson; measured $E\gamma, I\gamma$; deduced Q. ^{202}Hg deduced transitions.

Keyword abstract: RADIOACTIVITY $^{191\text{m}}\text{Os}$; measured ICC.

Keynumber: 1971BR57

Reference: Acta Phys.Pol. B2, 489 (1971)

Authors: J.S.Brzosko, E.Gierlik, A.Soltan, Jr., Z.Szeflinski, Z.Wilhelmi

Title: Measurement of γ -Ray Spectra Accompanying Radiative Capture of Nucleons

Keyword abstract: NUCLEAR REACTIONS ^{115}In , Sb, ^{127}I , ^{133}Cs , ^{159}Tb , ^{165}Ho , ^{181}Ta , ^{197}Au , Tl, $^{238}\text{U}(n,\gamma)$, E approx 400 keV; measured $\sigma(E\gamma)$. ^{115}In , ^{181}Ta , $^{197}\text{Au}(n,\gamma)$, $E=0.03-1.4$ MeV; measured σ ($E; E\gamma$). ^{115}In , Ag, ^{181}Ta , $^{197}\text{Au}(p,\gamma)$, E approx 4 MeV; measured $\sigma(E\gamma)$.

Keynumber: 1970MUZS

Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P29

Keyword abstract: NUCLEAR REACTIONS ^{74}Se , ^{84}Sr , ^{109}Ag , ^{122}Te , ^{159}Tb , ^{168}Yb , 174 , ^{176}Yb , ^{169}Tm , 178 , ^{179}Hf , ^{191}Ir , $^{192}\text{Os}(n,\gamma)$, $E=25$ MeV; measured σ .

Keynumber: 1970FEZS

Reference: BMBW-FBK-70-10, p.23 (1970)

Authors: M.Fenzl, K.E.G.Lobner

Title: Messung von Verzögerten Koinzidenzen in ^{160}Tb und ^{186}Re

Keyword abstract: NUCLEAR REACTIONS ^{159}Tb , $^{185}\text{Re}(n,\gamma)$; measured $\gamma\gamma(t)$. ^{160}Tb , ^{186}Re levels deduced $T_{1/2}$.

Keynumber: 1970EI04

Reference: Nucl.Phys. A147, 150 (1970)

Authors: J.Eichler, F.Djadali

Title: Measurement of the Average Circular γ -Polarization and Determination of Spins for Compound States Formed in Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{95}Mo , ^{113}Cd , ^{115}In , 121 , ^{123}Sb , ^{127}I , ^{133}Cs , ^{141}Pr , 155 , ^{157}Gd , ^{159}Tb , ^{165}Ho , ^{181}Ta , $^{199}\text{Hg}(\text{polarized } n,\gamma)$, $E = \text{thermal}$; measured average γ -circular polarization. ^{96}Mo , ^{114}Cd , ^{116}In , 122 , ^{124}Sb , ^{128}I , ^{134}Cs , ^{142}Pr , 156 , ^{158}Gd , ^{160}Tb , ^{166}Ho , ^{182}Ta , ^{200}Hg deduced J for compound state. Natural targets.

Keynumber: 1970BO32

Reference: Z.Phys. 239, 57 (1970)

Authors: D.Bosch

Title: Messung der γ -Winkel-Verteilung nach Dem Neutroneneinfang an polarisierten Tb^{159} -Kernen

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$; aligned ^{159}Tb ; $E=\text{thermal}$; measured $E\gamma, I\gamma, I\gamma(\theta)$; deduced Q . ^{160}Tb deduced levels, J, π .

Keynumber: 1969RO32

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 33, 1315 (1969); Bull.Acad.Sci.USSR, Phys.Ser. 33, 1215 (1970)

Authors: I.N.Rozantsev, I.V.Estulin

Title: Some Levels in ^{160}Tb

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}(n,\gamma)$, $E=\text{thermal}$; measured $\gamma\gamma$ -delay, $E\gamma$, $I\gamma$. ^{160}Tb deduced levels, J , π , $T_{1/2}$, γ -branching, ICC, γ -multipolarity.

Keynumber: 1968RO06

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 32, 81 (1968); Bull.Acad.Sci.USSR, Phys.Ser. 32, 80 (1969)

Authors: I.N.Rozantsev, I.V.Estulin

Title: Short-Lived States of ^{108}Ag , ^{134}Cs and ^{160}Tb , Excited in (n,γ) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{107}Ag , ^{133}Cs , $^{159}\text{Tb}(n,\gamma)$, $E=\text{thermal}$; measured $\gamma\gamma$ -delay. ^{108}Ag , ^{134}Cs , ^{160}Tb deduced levels, $J, \pi, T_{1/2}, \gamma$ -multipolarities.

Keynumber: 1967ROZX

Reference: Program and Theses, Proc.17th All-Union Conf.Nucl.Spectroscopy and Struct.Of At.Nuclei, Kharkov, p.38 (1967)

Authors: I.N.Roganchev, I.V.Estulin

Title: Study of Short Lived Nuclear States Excited by (n,γ) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{107}Ag , ^{133}Cs , $^{159}\text{Tb}(n,\gamma)$, E not given; measured $\gamma\gamma$ -delay. ^{108}Ag , ^{134}Cs , ^{160}Tb levels deduced $T_{1/2}$.

Keynumber: 1967RA24

Reference: Proc.Intern.Conf.Atomic Masses, 3rd, Winnipeg, Canada, R.C.Barber, Ed., Univ.Manitoba Press, p.278(1967)

Authors: N.C.Rasmussen, V.J.Orphan, Y.Hukai

Title: Determination of (n, γ) Reaction Q Values from Capture γ -Ray Spectra

Keyword abstract: NUCLEAR REACTIONS ^6Li , ^7Li , ^9Be , ^{10}B , ^{12}C , ^{14}N , ^{19}F , ^{23}Na , ^{24}Mg , ^{25}Mg , ^{26}Mg , ^{27}Al , ^{28}Si , ^{31}P , ^{32}S , ^{35}Cl , ^{40}Ca , ^{45}Sc , ^{48}Ti , ^{51}V , ^{55}Mn , ^{54}Fe , ^{56}Fe , ^{59}Co , ^{58}Ni , ^{60}Ni , ^{63}Cu , ^{65}Cu , ^{66}Zn , ^{67}Zn , ^{73}Ge , ^{76}Se , ^{85}Rb , ^{87}Rb , ^{89}Y , ^{93}Nb , ^{103}Rh , ^{113}Cd , ^{123}Te , ^{133}Cs , ^{139}La , ^{141}Pr , ^{149}Sm , ^{153}Eu , ^{157}Gd , ^{159}Tb , ^{165}Ho , ^{167}Er , ^{169}Tm , ^{181}Ta , ^{182}W , ^{195}Pt , ^{197}Au , ^{199}Hg , ^{203}Tl , $^{207}\text{Pb}(n,\gamma)$, E = thermal; measured $E\gamma$; deduced Q. Natural targets.
