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57 reference(s) found :

Keynumber: 2001KI26
Reference: Ann.Nucl.Energy 28, 1549 (2001)
Authors: G.Kim, Y.Lee, I.S.Ko, M.-H.Cho, W.Namkung, D.Lee, H.Kim, Y.Kim, T.-I.Ro, Y.Min, J.Moon, M.Igashira, S.Mizuno, T.Ohsaki, S.Y.Lee
Title: Measurement of keV-Neutron Capture Cross-Sections for ^{164}Dy
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=10-90 keV; measured Eγ,Iγ,capture σ. Comparison with previous results.

Keynumber: 2001CH38
Reference: Nucl.Instrum.Methods Phys.Res. A462, 442 (2001)
Authors: H.-J.Cho, K.Kobayashi, S.Yamamoto, K.-W.Seo, H.Y.Hwang, S.K.Nha, S.K.Ko
Title: Measurement of Thermal Neutron Cross-Sections and Resonance Integrals for ^{164}Dy(n,γ)^{165}Dy and ^{180}Hf(n,γ)^{181}Hf Reactions
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy, ^{180}Hf(n,γ),E=thermal; measured σ; deduced resonance integrals. Activation technique,comparisons with previous results.

Keynumber: **1999VO02**
Reference: Phys.Rev. C59, 1154 (1999)
Authors: F.Voss, K.Wisshak, C.Arlandini, F.Kappeler, L.Kazakov, T.Rauscher
Title: Stellar Neutron Capture Cross Sections of Pr and Dy Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{141}Pr, ^{160}, ^{161}, ^{162}, ^{163}, ^{164}Dy(n,γ),E=3-225 keV; measured total,capture σ; deduced Maxwellian averaged neutron capture σ at stellar energies. Astrophysical implications discussed.

Keynumber: 1999SU03
Reference: Yad.Fiz. 62, No 1, 24 (1999); Phys.Atomic Nuclei 62, 19 (1999)
Authors: A.M.Sukhovoi, 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}W(n,γ),E=thermal; analyzed Iγ; deduced non-exponential level densities.

Keynumber: 1999HO33
Reference: Pure Appl.Chem. 71, 2309 (1999)
Authors: N.E.Holden
Title: Temperature Dependence of the Westcott g-Factor for Neutron Reactions in Activation Analysis (Technical Report)
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{113}Cd, ^{115}In, ^{135}Xe, ^{148}Pm, ^{149}, ^{151}Sm, ^{151}, ^{152}, ^{153}, ^{154}, ^{155}Eu, ^{155}, ^{157}Gd, ^{164}Dy, ^{175}, ^{176}Lu, ^{177}Hf, ^{182}Ta, ^{185}, ^{187}Re, ^{197}Au, ^{231}, ^{233}Pa, ^{235}, ^{238}U (n,γ),E=low; calculated Westcott g-factors vs temperature.

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.Sukhovoi, 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}Hg(n,γ),E not given; analyzed two-photon γ cascade data; deduced structure effects.

Keynumber: 1998WIZW
Reference: Proc.Intern.Symposium on Nuclear Astrophysics, Nuclei in the Cosmos V, Volos, Greece, July 6-11, 1998, N.Prantzos, S.Harissopulos, Eds., Editions Frontieres, Paris, p.212 (1998)
Authors: K.Wisshak, F.Voss, C.Arlandini, F.Kappeler, T.Rauscher
Title: Neutron Capture in Dy and Yb Isotopes: Implications for the s-process
Keyword abstract: NUCLEAR REACTIONS ^{141}Pr, ^{160}, ^{161}, ^{162}, ^{163}, ^{164}Dy, ^{170}, ^{171}, ^{172}, ^{173}, ^{174}, ^{176}Yb(n,γ),E=3-225 keV; measured capture σ; deduced stellar capture σ,s-process implications.

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}Ba, ^{142}, ^{143}, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{159}Tb, ^{165}Ho, ^{162}, ^{163}, ^{164}Dy, ^{167}Er, ^{169}Tm, ^{173}, ^{174}, ^{176}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}, ^{179}, ^{180}Hf, ^{195}Pt, ^{199}Hg, ^{181}Ta, ^{182}, ^{186}W, ^{191}Ir, ^{197}Au(n,γ),E=thermal; analyzed γ spectra,γγ-coin. ^{114}Cd, ^{124}Te, ^{137}, ^{138}, ^{139}Ba, ^{146}Nd, ^{150}Sm, ^{156}, ^{158}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: 1997KAZR
Reference: Proc.Intern.on Nuclear Data for Science and Technology, Trieste, Italy, 19-24 May, 1997, G.Reffo, A.Ventura, C.Grandi, Eds., Editrice Compositori, Italy, Pt.2, p.1576 (1997)
Authors: F.Kappeler, K.Wisshak, F.Voss, G.Reffo
Title: Improved (n,γ) Cross Sections in the Rare Earth Region: Implications for s- and r-Process Nucleosynthesis
Keyword abstract: NUCLEAR REACTIONS ^{141}Pr, ^{142}, ^{143}, ^{144}, ^{145}, ^{146}, ^{148}Nd, ^{160}, ^{161}, ^{162}, ^{163}, ^{164}Dy, ^{164}, ^{170}Er(n,γ),E not given; measured Maxwellian averaged σ at kT=30 keV. Activation technique.

Keynumber: 1991HI23
Reference: J.Radioanal.Nucl.Chem. 153, 169 (1991)
Authors: P.Z.Hien, T.K.Mai, T.X.Quang, N.V.Loc, T.N.Thuy
Title: Determination of k_0-Factors of Short-Lived Nuclides (T ≥ 1 Min) by Thermal Neutron Activation Technique
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{37}Cl, ^{45}Sc, ^{76}Se, ^{103}Rh, ^{106}Pd, ^{109}Ag, ^{138}Ce, ^{164}Dy, ^{166}Er, ^{178}Hf(n,γ),E=thermal; measured γ-spectra. ^{20}F, ^{38m}Cl, ^{46m}Sc, ^{77m}Se, ^{104}Rh, ^{107}Pd, ^{110}Ag, ^{139m}Ce, ^{165m}Dy, ^{167m}Er, ^{179m}Hf deduced k_0-Au factors.

Keynumber: 1990KA21

Reference: Nucl.Phys. A514, 173 (1990)
Authors: E.Kaerts, P.H.M.Van Assche, S.A.Kerr, F.Hoyler, H.G.Borner, R.F.Casten, D.D.Warner
Title: A Study of the Low-Energy Level Structure of ^{165}Dy
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal,2 keV,24 keV; measured Eγ,Iγ. ^{165}Dy deduced levels,J,π,γ-branching,band structure,neutron binding energy. Curved crystal spectrometers,HPGe pair spectrometers,enriched targets.

Keynumber: 1989PE04
Reference: Nucl.Instrum.Methods Phys.Res. B40/41, 1205 (1989)
Authors: R.Pepelnik
Title: Sensitivities of High-Flux 14 MeV Neutron Activation Analysis
Keyword abstract: NUCLEAR REACTIONS ^{11}B, ^{16}O, ^{19}F, ^{20}Ne, ^{23}Na, ^{24}Mg, ^{27}Al, ^{28}Si, ^{34}S, ^{44}Ca, ^{51}V, ^{60}Ni, ^{75}As, ^{109}Ag(n,p), ^{31}P, ^{40}Ar, ^{55}Mn, ^{65}Cu, ^{93}Nb(n,α), ^{35}Cl, ^{45}Sc, ^{64}Zn, ^{71}Ga, ^{76}Ge, ^{80}Se, ^{79}Br, ^{86}Kr, ^{85}Rb, ^{90}Zr, ^{100}Mo, ^{96}Ru, ^{110}Pd, ^{124}Sn, ^{123}Sb, ^{130}Te, ^{136}Xe, ^{133}Cs, ^{138}Ba, ^{140}Ce, ^{141}Pr, ^{142}Nd, ^{144}Sm, ^{160}Gd, ^{159}Tb, ^{165}Ho, ^{164}Er, ^{169}Tm, ^{168}Yb, ^{181}Ta, ^{186}W, ^{198}Pt, ^{191}Ir, ^{197}Au, ^{203}Tl, ^{208}Pb(n,2n),Ti,Cr,Fe,Sr,Cd,Eu,Hf, ^{200}Hg(n,X), ^{59}Co, ^{103}Rh, ^{115}In, ^{127}I, ^{164}Dy, ^{175}Lu, ^{187}Re, ^{226}Ra (n,γ), ^{232}Th, ^{238}U(n,F),E=14 MeV; calculated analytical sensitivities. Activation analysis.

Keynumber: 1988KA44
Reference: Nucl.Instrum.Methods Phys.Res. A267, 473 (1988)
Authors: E.Kaerts, L.Jacobs, G.Vandenput, P.H.M.Van Assche
Title: The Bent Crystal Diffraction Spectrometer at the BR2 Reactor in Mol
Keyword abstract: NUCLEAR REACTIONS ^{165}Dy, ^{164}Dy(n,γ),E=thermal; measured capture γ-spectra. ^{165}Dy deduced $(7/2)^+$ level energy. ^{166}Dy deduced transitions.

Keynumber: 1988BOZI
Reference: JINR-P3-88-371 (1988)
Authors: S.T.Boneva, E.V.Vasileva, L.A.Malov, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov
Title: Intensive Two-Quantum Cascades and Quasiparticle State Fragmentation in Some Deformed Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy, ^{174}Yb, ^{178}Hf(n,γ),E=thermal; analyzed primary Iγ distributions. ^{165}Dy, ^{175}Yb, ^{179}Hf deduced two quantum cascade enhancement features. Analyzed single quasiparticle state strength distributions.

Keynumber: 1987KAZZ
Reference: Bull.Am.Phys.Soc. 32, No.4, 1018, AG11 (1987)
Authors: E.Kaerts, P.H.M.van Assche, S.Kerr, F.Hoyler, H.Borner, D.D.Warner
Title: Thermal and Resonance Neutron Capture Studies of ^{165}, ^{166}Dy
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal,2,24 keV; measured Eγ,Iγ. ^{165}, ^{166}Dy deduced levels.

Keynumber: 1986KAZO
Reference: Proc.Intern.Nuclear Physics Conference, Harrogate, U.K., p.106 (1986)
Authors: E.Kaerts, P.H.M.Van Assche
Title: Progress in the Level Scheme of ^{165}Dy
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal; measured γ-spectra. ^{165}Dy deduced levels,J,π,γ-multipolarity.

Keynumber: 1985PO24
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 49, 91 (1985); Bull.Acad.Sci.USSR, Phys.Ser. 49, No.1, 94 (1985)
Authors: Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov, Yu.S.Yazvitsky
Title: Singularities of γ-Cascades that De-Excite Compound-States in the Region of the 4s-Shell
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy, ^{174}Yb, ^{143}Nd(n,γ),E=thermal; analyzed coincident pulse amplitude summing data. ^{165}Dy, ^{175}Yb, ^{144}Nd deduced two-quanta transition Iγ.

Keynumber: 1984PR03
Reference: Z.Phys. A315, 103 (1984)
Authors: W.V.Prestwich, M.A.Islam, T.J.Kennett
Title: Primary E2 Transitions Observed following Neutron Capture for the Mass Region 144 ≤ A ≤ 180
Keyword abstract: NUCLEAR REACTIONS ^{143}Nd, ^{162}, ^{164}Dy, ^{165}Ho, ^{167}Er, ^{173}Yb, ^{179}Hf (n,γ),E=thermal; measured Eγ,Iγ. ^{144}Nd, ^{163}, ^{165}Dy, ^{166}Ho, ^{168}Er, ^{174}Yb, ^{180}Hf deduced E2 transition Γγ upper limits. Axel-Brink hypothesis based analysis.

Keynumber: 1984POZX
Reference: Program and Theses, Proc.34th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Alma-Ata, p.133 (1984)
Authors: Yu.P.Popov, A.M.Sukhovoy, V.A.Khitrov, Yu.S.Yazvitsky
Title:
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal; measured γγ-coin. ^{165}Dy deduced levels. Amplitude summation method.

Keynumber: 1984POZT
Reference: Proc.Conf.Neutron Physics, Kiev, Vol.3, p.3 (1984)
Authors: Yu.P.Popov, A.M.Sukhovoy, V.A.Khitrov, Yu.S.Yazvitsky
Title:
Keyword abstract: NUCLEAR REACTIONS ^{143}Nd, ^{164}Dy(n,γ),E not given; measured γγ-coin; deduced γ-spectra shape. ^{144}Nd, ^{165}Dy deduced transition characteristics. Ge(Li) detectors,amplitude summation method. Statistical theory.

Keynumber: 1984PO10
Reference: Yad.Fiz. 39, 1329 (1984)
Authors: Yu.P.Popov, A.M.Sukhovoy, V.A.Khitrov, Yu.S.Yazvitsky
Title: On Correlation between Intensities of Two-Quantum Cascades in the Reaction ^{164}Dy(n,γ)^{165}Dy and the Effective Cross Sections of the Reaction ^{164}Dy(d,p)^{165}Dy
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E ≈ resonance; measured γγ(θ),two quanta cascade; deduced residual production σ by (d,p) reaction. ^{165}Dy deduced role of one-neutron component in wave function vs excitation.

Keynumber: 1983POZZ
Coden: REPT JINR-P6-83-316,Popov
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal; measured two-quanta γ-cascades,summed γ-spectra. ^{165}Dy deduced levels.

Keynumber: 1983POZV

Coden: REPT JINR-P3-83-407,Popov
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal; measured Eγ,two-quanta cascade Iγ. ^{165}Dy levels deduced single particle neutron component role. Channel correlation analysis, (d,p) data input.

Keynumber: 1983IS05
Reference: Z.Phys. A311, 195 (1983)
Authors: M.A.Islam, T.J.Kennett, W.V.Prestwich
Title: A Probabilistic Model for Spectral Assignment in the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{35}Cl, ^{162}, ^{164}Dy, ^{165}Ho(n,γ),E not given; analyzed capture data; deduced γ-transition spectral assignment. Probabilistic model.

Keynumber: 1983IS04
Reference: Phys.Rev. C27, 2401 (1983)
Authors: M.A.Islam, W.V.Prestwich, T.J.Kennett
Title: Possible Low-Lying Levels in ^{165}Dy Deduced from Neutron Capture γ Rays
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal; measured Eγ,Iγ. ^{165}Dy deduced levels,possible J,π.

Keynumber: 1982IS05
Reference: Phys.Rev. C25, 3184 (1982)
Authors: M.A.Islam, T.J.Kennett, W.V.Prestwich
Title: Neutron Separation Energies of Some Heavy Nuclides
Keyword abstract: NUCLEAR REACTIONS ^{142}, ^{143}, ^{145}Nd, ^{155}, ^{157}Gd, ^{161}, ^{162}, ^{164}Dy, ^{165}Ho, ^{174}, ^{173}Yb(n,γ),E=thermal; measured Eγ. ^{143}, ^{144}, ^{146}Nd, ^{156}, ^{158}Gd, ^{162}, ^{163}, ^{164}, ^{165}Dy, ^{166}Ho, ^{175}, ^{174}Yb deduced neutron separation energy.

Keynumber: 1981SE09
Reference: J.Inorg.Nucl.Chem. 43, 1107 (1981)
Authors: T.Sekine, H.Baba
Title: Reactor-Neutron-Capture Cross Sections of ^{165}Dy Isomers
Keyword abstract: RADIOACTIVITY ^{166}Dy [from double thermal neutron capture]; measured yield vs irradiation time; deduced thermal neutron capture σ for ^{165}, ^{165m}Dy. Activation technique.
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal; measured Eγ,Iγ; deduced ^{165}Dy yield. Activation technique.

Keynumber: 1981ISZY
Reference: Phys.Can. 37, No.3, 35, DF3 (1981)
Authors: M.A.Islam, W.V.Prestwich, T.J.Kennett
Title: The Level Structure of ^{165}Dy Deduced from the ^{164}Dy(n,γ)^{165}Dy Reaction
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E not given; measured absolute Iγ; deduced E1,M1 strength functions. ^{165}Dy deduced levels,π,S(n). Statistical model.

Keynumber: 1981AR22
Reference: Yad.Fiz. 34, 1028 (1981)
Authors: L.Ya.Arifov, B.S.Mazitov, V.G.Ulanov
Title: Relative Probability of Isomer Population in Radiative Capture

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{59}Co, ^{68}, ^{70}Zn, ^{74}, ^{76}Ge, ^{80}, ^{82}Se, ^{84}Kr, ^{85}Rb, ^{84}Sr, ^{89}Y, ^{103}Rh, ^{108}, ^{110}Pd, ^{109}Ag, ^{114}Cd, ^{113}, ^{115}In, ^{112}, ^{120}, ^{122}, ^{124}Sn, ^{121}Sb, ^{120}, ^{126}, ^{128}, ^{130}Te, ^{133}Cs, ^{132}Ba, ^{136}, ^{138}Ce, ^{151}Eu, ^{164}Dy, ^{181}Ta, ^{184}W, ^{187}Re, ^{190}Os, ^{191}Ir, ^{196}Pt, ^{196}Hg (n,γ),E=thermal,0.2-2.8 MeV; ^{92}Mo(p,γ),E=1.8-7.4 MeV; analyzed σ(capture) isomer ratio vs E. Statistical theory.

Keynumber: 1979BR25
Reference: Nucl.Instrum.Methods 166, 243 (1979)
Authors: F.Braumandl, K.Schreckenbach, T.von Egidy
Title: Precision Measurements of Neutron Binding Energies of ^{28}Al, ^{92}Zr, ^{114}Cd, ^{165}Dy, ^{168}Er, ^{200}Hg and ^{239}U
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{91}Zr, ^{113}Cd, ^{164}Dy, ^{167}Er, ^{199}Hg, ^{238}U (n,γ),E=reactor; measured Eγ,I(ce). ^{28}Al, ^{92}Zr, ^{114}Cd, ^{165}Dy, ^{168}Er, ^{200}Hg, ^{239}U deduced B(n). Bent crystal Gams,pair,β-spectrometers.

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

Keynumber: 1978HUZR
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No35,Hungerford
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=th; measured γγ(θ). ^{165}Dy deduced levels,J,π,γ-branching,δ.

Keynumber: 1978AR22
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 42, 831 (1978); Bull.Acad.Sci.USSR, Phys.Ser. 42, No.4, 120 (1978)
Authors: L.Y.Arifov, B.S.Mazitov, V.G.Ulanov, S.A.Yusupbekova
Title: Measurement of the Relative Probabilities of Excitation of Isomer States during Radiative Capture of Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{59}Co, ^{89}Y, ^{164}Dy, ^{181}Ta, ^{187}Re, ^{191}Ir(n,γ),E=thermal; measured nothing; analyzed data; deduced relative probabilities of excitation of isomeric states.

Keynumber: 1978AN22
Reference: Z.Phys. A289, 107 (1978)
Authors: W.Andrejtscheff, R.D.Schilling
Title: Collective Contributions to E1, ΔK=1 Matrix Elements in Odd-Odd Deformed Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E not given; measured γγ(t). ^{165}Dy 184.3-keV level deduced $T_{1/2}$,E1 transition matrix-element associated with 5/2- to 7/2+. Enriched target.

Keynumber: 1975LI02

Reference: Phys.Rev. C11, 462 (1975)
Authors: H.I.Liou, G.Hacken, J.Rainwater, U.N.Singh
Title: Neutron Resonance Spectroscopy: The Separated Isotopes of Dy
Keyword abstract: NUCLEAR REACTIONS ^{160}, ^{161}, ^{162}, ^{163}, ^{164}Dy(n,n), (n,γ),E=1-2.5 keV; measured total σ(E). ^{161}, ^{162}, ^{163}, ^{164}, ^{165}Dy deduced resonances,n-width,γ-width.

Keynumber: 1975CHZT
Coden: REPT ERDA/NDC-2, p31, Chrien
Keyword abstract: NUCLEAR REACTIONS ^{162}, ^{164}Dy, ^{152}Sm, ^{156}Gd, ^{170}Yb, ^{158}, ^{160}Gd, ^{164}, ^{166}, ^{168}, ^{170}Er(n,γ), E=0.0253 eV; measured σ(Eγ). ^{163}, ^{165}Dy, ^{153}Sm, ^{151}Gd, ^{171}Yb resonances deduced J,π.

Keynumber: 1974GIZN
Reference: Thesis, Carleton Univ. (1972); Diss.Abst.Int. 34B, 5613 (1974)
Authors: D.R.Gill
Title: Isomeric Ratios in ^{69}Zn, ^{80}Br, ^{81}Se and ^{165}Dy
Keyword abstract: NUCLEAR REACTIONS ^{68}Zn, ^{79}Br, ^{80}Se, ^{164}Dy(n,γ); measured isomeric state ratios.

Keynumber: 1974COZX
Coden: JOUR BAPSA 19 111 KI13
Keyword abstract: NUCLEAR REACTIONS ^{152}Sm, ^{162}, ^{164}Dy, ^{170}Yb, ^{186}W(n,γ); measured σ(E). ^{153}Sm, ^{163}, ^{165}Dy, ^{171}Yb, ^{187}W levels deduced level-width.

Keynumber: 1974COZA
Coden: REPT USNDC-11 P35
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal,145 eV; measured σ(Eγ). ^{165}Dy deduced resonances,γ-width,n-width.

Keynumber: 1974COYX
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P31
Keyword abstract: NUCLEAR REACTIONS ^{152}Sm, ^{170}Yb, ^{162}, ^{164}Dy, ^{186}W(n,γ),E=0.025 eV,thermal; measured σ.

Keynumber: 1974COYK
Coden: REPT BNL-18976,mf
Keyword abstract: NUCLEAR REACTIONS ^{162}, ^{164}Dy, ^{152}Sm, ^{170}Yb, ^{186}W(n,γ),E=epithermal; measured σ(Eγ). ^{163}, ^{165}Dy, ^{153}Sm resonances deduced J.

Keynumber: 1974CHYN
Coden: REPT BNL-19191,R E Chrien
Keyword abstract: NUCLEAR REACTIONS ^{149}Sm, ^{162}, ^{164}Dy, ^{92}, ^{94}, ^{96}, ^{98}Mo(n,γ); measured nothing; calculated σ(E,Eγ).

Keynumber: 1974CHXL
Coden: REPT BNL-19191,mf
Keyword abstract: NUCLEAR REACTIONS ^{162}, ^{164}Dy(n,γ); calculated σ. ^{163}, ^{165}Dy deduced resonant state configurations.

Keynumber: 1973LAYN
Coden: REPT LF-42 P1
Keyword abstract: NUCLEAR REACTIONS ^{163}, ^{164}Dy(n,γ); measured σ(Eγ). ^{164}Dy deduced levels. ^{165}Dy deduced transitions.

Keynumber: 1973CL08
Reference: Nucl.Phys. A213, 349 (1973)
Authors: R.L.Clarke, D.R.Gill
Title: A New γ-Ray Cascade Model for Isomeric Ratio Calculations
Keyword abstract: NUCLEAR REACTIONS ^{68}Zn, ^{79}Br, ^{80}Se, ^{164}Dy(n,γ)E=0.1-2.5 MeV; measured isomeric ratios(E). calculated isomeric ratios from γ cascade model.

Keynumber: 1972MOYY
Coden: REPT ZFK-243,P93
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy, ^{166}, ^{168}, ^{170}Er, ^{168}, ^{170}Yb, ^{178}, ^{180}Hf, ^{182}, ^{184}W (n,γ); compiled n-resonance data, (n,γ) decay modes.

Keynumber: 1972LAYK
Coden: REPT NP-19337,P1
Keyword abstract: NUCLEAR REACTIONS ^{163}, ^{164}Dy(n,γ); ^{164}, ^{165}Dy deduced levels.

Keynumber: 1972LA15
Reference: Phys.Rev. C6, 572 (1972)
Authors: A.Lakshmana Rao, J.Rama Rao
Title: Isomer Ratios in (n,γ) Reactions at 25 keV
Keyword abstract: NUCLEAR REACTIONS ^{74}Ge, ^{79}Br, ^{80}Se, ^{85}Rb, ^{103}Rh, ^{121}Sb, ^{151}Eu, ^{164}Dy (n,γ),E=25 keV; measured σ,isomeric ratio.

Keynumber: 1972FA20
Reference: Nucl.Sci.Eng. 49, 317 (1972)
Authors: L.R.Fawcett,Jr., A.K.Furr, J.G.Lindsay
Title: Neutron Capture Cross Sections in the keV Region for ^{154}Sm, ^{160}Gd, ^{164}Dy, and ^{165}Ho
Keyword abstract: NUCLEAR REACTIONS ^{154}Sm, ^{160}Gd, ^{164}Dy, ^{165}Ho(n,γ),E=5-160 keV; measured σ(E). ^{155}Sm, ^{161}Gd, ^{165}Dy, ^{166}Ho deduced resonance parameters.

Keynumber: 1971FAZS
Coden: CONF SESAPS 38th Mtg,P8,L R Fawcett,11/15/71
Keyword abstract: NUCLEAR REACTIONS ^{154}Sm, ^{160}Gd, ^{164}Dy, ^{165}Ho(n,γ),E=5-160 keV; measured σ(E;Eγ). ^{155}Sm, ^{161}Gd, ^{165}Dy, ^{166}Ho deduced strength functions.

Keynumber: 1971FAZR
Coden: THESIS, Virginia Polytechnic Inst,L R Fawcett,DABBB 32B 2929,12/16/71
Keyword abstract: NUCLEAR REACTIONS ^{154}Sm, ^{160}Gd, ^{164}Dy, ^{165}Ho(n,γ),E=5-160 keV; measured σ(E;Eγ). ^{155}Sm, ^{161}Gd, ^{165}Dy, ^{166}Ho deduced resonances,strength functions.

Keynumber: 1970VEZZ
Coden: REPT BNL-tr-495,V P Vertebnyi,1/3/73

Keyword abstract: NUCLEAR REACTIONS ^{161}, ^{162}, ^{163}, ^{164}Dy(n,X), (n,γ),E <1 eV; measured σ(nT)(E). ^{11}B,C,V,Cu, ^{63}, ^{65}Cu,Ge, ^{70}, ^{72}, ^{73}, ^{74}Ge,Cd, ^{110}, ^{111}, ^{112}, ^{114}, ^{116}Cd,Ce, ^{140}, ^{142}Ce, ^{153}Eu,Dy, ^{161}, ^{162}, ^{163}, ^{164}Dy,Ho,Er, ^{162}, ^{164}, ^{166}, ^{167}, ^{168}, ^{170}Er,Yb,Lu,Pb(n,n),E <10 eV; measured σ(E).

Keynumber: 1968NA21
Reference: Thesis, Physikinstitut, Reaktorzentrum Seibersdorf, Austria (1968); SGAE-PH-78/1968
Authors: H.Nabielek
Title: Untersuchung von Obergangsraten Elektromagnetischer Ubergange durch Messung der Lebensdauer Angeregter Kernniveaus nach Neutroneneinfang
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{197}Au, ^{152}Sm, ^{162}, ^{164}Dy, ^{166}Er, ^{168}Yb(n,γ),E not given; measured γγ-delay. ^{56}Mn, ^{153}Sm, ^{163}, ^{165}Dy, ^{198}Au, ^{167}Er, ^{169}Yb levels deduced $T_{1/2}$.

Keynumber: 1968CH23
Reference: Nucl.Phys. A117, 545(1968)
Authors: A.K.Chaubey, M.L.Sehgal
Title: Energy Dependence of Spin Fall-Off Parameter
Keyword abstract: NUCLEAR REACTIONS ^{76}Ge, ^{108}Pd, ^{130}Te, ^{164}Dy(n,γ), E=24 keV; measured σ, isomeric cross-section ratios; deduced spin-cutoff parameter.

Keynumber: 1967MI12
Reference: KFK-562 (1967)
Authors: W.Michaelis, U.Fanger, D.Lange, G.Markus, H.Schmidt, C.Weitkamp
Title: Koinzidenzexperimente bei Neutroneneinfangreaktionen
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe, ^{164}Dy, ^{168}Yb(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{58}Fe, ^{165}Dy, ^{169}Yb deduced levels. ^{87}Sr(n,γ),E=thermal; measured γγ(θ). ^{88}Sr deduced levels,J,π.

Keynumber: 1967MA25
Reference: Z.Physik 206, 84 (1967)
Authors: G.Markus, W.Michaelis, H.Schmidt, C.Weitkamp
Title: Investigation of the Reaction $Dy^{164}(n,\gamma)Dy^{165}$
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{165}Dy deduced levels,J,π,B(E2),B(M1). ^{166}Er, ^{168}Yb(n,γ),E=thermal; measured Eγ,Iγ. ^{167}Er, ^{169}Yb deduced levels.

Keynumber: 1967BO31
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 31, 596 (1967); Bull.Acad.Sci.USSR, Phys.Ser. 31, 591 (1968)
Authors: V.A.Bondarenko, P.T.Prokofev
Title: Levels of ^{165}Dy Excited Incident to Radiative Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{164}Dy(n,γ),E not given; measured Eγ,Iγ,I(ce). ^{165}Dy deduced levels, ICC,γ-multipolarity.
