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42 reference(s) found :

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

Keynumber: 1988BO44
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 2082 (1988); Bull.Acad.Sci.USSR, Phys.Ser. 52, No.11, 1 (1988)
Authors: S.T.Boneva, E.V.Vasileva, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov
Title: Method of Summing the Amplitudes of Coinciding Pulses in Radiative Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{144}Nd, ^{163}, ^{165}Dy, ^{168}Er, ^{175}Yb, ^{178}, ^{179}Hf, ^{183}W(n,γ),E not given; analyzed capture-γ data. Coincident pulse amplitude summing technique.

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}W(n,γ),E=5-400 keV; ^{180}, ^{182}, ^{183}, ^{184}, ^{186}W(n,X),E=5-1000 keV; measured σ(E),transmission. ^{181}, ^{183}, ^{185}, ^{187}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 W, ^{182}, ^{183}, ^{184}, ^{186}W(n,n), (n,γ),E=thermal; measured coherent neutron scattering lengths,total σ.

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

Keynumber: 1984OH08

Reference: J.Nucl.Sci.Technol.(Tokyo) 21, 805 (1984)
Authors: M.Ohkubo, Y.Kawarasaki
Title: Neutron Resonance Parameters of Tungsten-183 up to 1.1 keV
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,n), (n,γ), (n,X),E ≤ 1.1 keV; measured transmission,σ(En). ^{184}W deduced resonances,2gΓn,J,level spacing,strength functions.

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}W(n,γ),E=2.6-2000 keV; measured σ (capture) vs E. ^{184}W deduced resonances,J,π, (gΓγΓn/Γ). ^{183}, ^{185}, ^{187}W deduced resonances,J,π, (gΓγΓn/Γ),<Γγ >D,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}W(n,γ),E=2.6-2000 keV; measured σ (capture) vs E. ^{183}, ^{184}, ^{185}, ^{187}W deduced resonances,J,π,Γγ,resonance parameters.

Keynumber: 1982DAZU
Reference: JUL-Spez-146, p.68 (1982)
Authors: W.F.Davidson, C.W.Reich, R.C.Greenwood, H.R.Koch
Title: Curved Crystal Study of De-Excitation Gamma Rays in ^{184}W following Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=thermal; measured Eγ,Iγ. ^{184}W deduced levels,γ-branching,B(E2),band structure. Curved-crystal spectrometer.

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}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),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}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),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}Tl(n,γ),E=0.5-3 MeV; measured σ(E). NaI scintillator,γ-detection. Statistical model.

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,Au(n,γ),E=0.5 MeV-3.0 MeV; measured σ. Statistical model calculations.

Keynumber: 1978OHZZ
Coden: REPT NEANDC(J)-56/U,P9,Ohkubo
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,X), (n,n), (n,γ),E< keV; measured σ. ^{165}Ho (n,X), (n,γ),E not given; measured σ. ^{166}Ho deduced resonance parameters. ^{79}Br(n,X), (n,γ),E<.8 keV; measured σ. ^{80}Br deduced levels.

Keynumber: 1975CA23
Reference: Phys.Rev. C12, 821 (1975)
Authors: R.F.Casten, M.R.Macphail, W.R.Kane
Title: Character of the 1775 keV State in ^{184}W
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=thermal,7.6 eV; analyzed data. ^{184}W deduced level populations,J,π,K.

Keynumber: 1975BU01
Reference: Phys.Rev. C11, 1401 (1975)
Authors: D.L.Bushnell, J.Hawkins, R.Goebbert, R.K.Smither
Title: States in ^{184}W via Neutron Capture and Beta-Decay Excitations
Keyword abstract: RADIOACTIVITY ^{184m}, ^{184}Re; measured Eγ,Iγ,γγ-coin. ^{184}W deduced levels,J,π,λ.
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=thermal,resonance; measured Eγ,Iγ,γγ-coin. ^{184}W deduced levels,J,π,λ.

Keynumber: 1975BOYU
Coden: CONF Petten(Neutron Capture γ-ray Spect),Proc P691
Keyword abstract: NUCLEAR REACTIONS ^{99}Tc, ^{183}W, ^{146}, ^{148}Nd(n,γ),E=thermal; measured σ(Eγ). ^{100}Tc, ^{184}W, ^{147}, ^{149}Nd deduced transitions.

Keynumber: 1974GRZC
Coden: REPT USNDC-11 P9
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=thermal,2 keV; measured Eγ,Iγ. ^{184}W deduced levels,K,π.

Keynumber: 1974GR11
Reference: Nucl.Phys. A223, 66 (1974)
Authors: R.C.Greenwood, C.W.Reich
Title: Level Structure of ^{184}W from the ^{183}W(n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=thermal, 2 keV; measured Eγ,Iγ. ^{184}W deduced levels,J,π,B(λ),neutron binding energy. Enriched, natural targets,Ge(Li) detectors.

Keynumber: 1973YOZM
Coden: REPT LA-5375-PR P15
Keyword abstract: NUCLEAR REACTIONS ^{182}, ^{183}, ^{184}, ^{186}W(n,γ); analyzed data.

Keynumber: 1973SMYV
Coden: REPT EANDC(US)-186'U' P25
Keyword abstract: RADIOACTIVITY ^{184}Re; measured γγ-coin. ^{184}W deduced levels.
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ); measured Eγ,Iγ. ^{184}W deduced levels.

Keynumber: 1973REZR
Coden: CONF Munich(Nucl Phys),Vol1 P151
Keyword abstract: RADIOACTIVITY ^{184m}, ^{184}Re; measured Eγ,I(ce). ^{184}W deduced levels,J,π,γ-mixing.
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ); measured Eγ. ^{184}W deduced levels.

Keynumber: 1973GRYD
Coden: REPT ANCR-1129 P66
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=thermal,2 keV; measured Eγ,Iγ. ^{184}W deduced levels,J,π.

Keynumber: 1973GRYC
Coden: REPT ANCR-1129 P73
Keyword abstract: NUCLEAR REACTIONS Gd, ^{182}, ^{183}W,Ta(n,γ),E=25 keV; measured Eγ,Iγ.

Keynumber: 1973CA02
Reference: Phys.Rev. C7, 419 (1973)
Authors: R.F.Casten, W.R.Kane
Title: Study of High-Lying States in ^{179}Hf and ^{183}, ^{184}W with the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{178}Hf, ^{182}, ^{183}W(n,γ),E=4.1,7.6,7.78,21.2 eV; measured Eγ,Iγ. ^{179}Hf, ^{183}, ^{184}W deduced levels,J,π.

Keynumber: 1973ADZQ
Coden: REPT ANL-8035 P22
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ); measured σ(Eγ). ^{184}W deduced levels,J.

Keynumber: 1973ABZV
Coden: REPT EANDC(E)157-U,P118
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{64}, ^{66}, ^{68}Zn, ^{29}Si, ^{63}Cu, ^{72}Ge, ^{183}W(polarized n,γ); measured Eγ,CP(γ,X). ^{65}, ^{65}, ^{65}Zn, ^{30}Si, ^{64}Cu, ^{73}Ge, ^{184}W deduced levels, ^{24}Na resonance deduced J,π.

Keynumber: 1973ABZM
Coden: REPT INDC(SEC)-36/L P37
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{29}Si, ^{63}Cu, ^{72}Ge, ^{64}, ^{66}, ^{68}Zn, ^{183}W(n,γ);

measured Eγ.

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}W(polarized n,γ),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}Sm, ^{153}Eu, ^{154}, ^{158}, ^{160}Gd, ^{166}, ^{167}, ^{168}, ^{170}Er, ^{168}, ^{170}, ^{171}, ^{172}, ^{174}, ^{176}Yb, ^{175}Lu, ^{182}, ^{183}, ^{184}, ^{186}W(n,γ); calculated resonance integrals.

Keynumber: 1972GRZF
Coden: JOUR BAPSA 17 899,R Greenwood,10/26/72
Keyword abstract: RADIOACTIVITY ^{184m}Re; measured Eγ,Iγ. ^{184}W deduced levels,J,π.
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=thermal,2 keV; measured Eγ,Iγ. ^{184}W deduced levels,J,π.

Keynumber: 1972CAZY
Coden: JOUR BAPSA 17 17,R F Casten,1/13/72
Keyword abstract: NUCLEAR REACTIONS ^{178}Hf, ^{182}, ^{183}W(n,γ),E=resonance; measured Eγ,Iγ. ^{179}Hf, ^{183}, ^{184}W deduced levels.

Keynumber: 1971RAZF
Reference: INR-1262 (1971)
Authors: W.Ratynski
Title: Circular Polarization of Gamma Rays
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{69}, ^{71}Ga, ^{182}, ^{183}W, ^{186}W(n,γ),E=thermal; measured γ-polarization. ^{28}Al, ^{70}, ^{72}Ga, ^{183}, ^{184}, ^{187}W levels deduced J,π.

Keynumber: 1971HAXR
Coden: REPT NCSAC-42,P61,G Hacken,5/19/72
Keyword abstract: NUCLEAR REACTIONS ^{152}, ^{154}Sm, ^{151}, ^{153}Eu, ^{154}, ^{158}, ^{160}Gd, ^{166}, ^{167}, ^{168}, ^{170}Er, ^{168}, ^{170}, ^{171}, ^{172}, ^{174}, ^{176}Yb, ^{175}Lu, ^{182}, ^{183}, ^{184}, ^{186}W(n,γ), measured capture resonance integrals.

Keynumber: 1971GRYV
Coden: REPT BNL-50298,P86,10/21/71
Keyword abstract: NUCLEAR REACTIONS W, ^{183}W(n,γ),E=thermal,2 keV; measured Eγ,Iγ. ^{184}W deduced transitions.

Keynumber: 1971GRYH

Coden: REPT ANCR-1016,P29,1/28/72.
Keyword abstract: NUCLEAR REACTIONS ^{171}, ^{173}Yb, ^{183}W(n,γ),E=thermal,2 keV; measured Iγ. ^{172}, ^{174}Yb, ^{184}W deduced transitions.

Keynumber: 1971GRYF
Coden: REPT ANCR-1016,P59,1/28/72
Keyword abstract: NUCLEAR REACTIONS ^{183}W(n,γ),E=2 keV; measured Eγ,Iγ. ^{184}W deduced levels,J,π,B(λ).

Keynumber: 1971GRXL
Reference: ANCR-1016, p.29 (1971)
Authors: R.C.Greenwood, C.W.Reich
Title: Neutron Capture γ-Ray Studies Using the 2-keV Neutron Beam Facility
Keyword abstract: NUCLEAR REACTIONS ^{171}, ^{173}Yb, ^{183}W,W(n,γ),E=thermal,2 keV; measured Eγ,Iγ; deduced capture σ. ^{172}, ^{174}Yb, ^{183}, ^{184}, ^{185}, ^{187}W deduced transitions.

Keynumber: 1971GRXG
Coden: REPT ANCR-1016,P29,1/28/72
Keyword abstract: NUCLEAR REACTIONS ^{171}, ^{173}Yb, ^{183}W(n,γ), E = thermal,2 keV; measured Eγ,Iγ. ^{172}, ^{174}Yb, ^{184}W deduced transitions,γ-branching.

Keynumber: 1971BE48
Reference: Ann.Phys.(N.Y.) 65, 181 (1971)
Authors: M.Beer
Title: Doorway States and Primary Neutron Capture Gamma-Rays
Keyword abstract: NUCLEAR REACTIONS ^{93}Nb, ^{165}Ho, ^{166}Er, ^{169}Tm, ^{183}W(n,γ),E=resonance; calculated resonance widths,doorway state contributions.

Keynumber: 1970WE04
Reference: Phys.Rev. C1, 1501 (1970)
Authors: K.J.Wetzel, G.E.Thomas
Title: Method for Determining Spins of Neutron Resonances
Keyword abstract: NUCLEAR REACTIONS ^{95}Mo, ^{105}Pd, ^{135}Ba, ^{167}Er, ^{177}Hf, ^{183}W(n,γ), E=resonance; measured σ(Eγ). ^{96}Mo, ^{106}Pd, ^{136}Ba, ^{168}Er, ^{178}Hf, ^{184}W deduced resonances, J.

Keynumber: 1966RA23
Reference: RPI-328-68, p.33(1966)
Authors: E.R.Rae, W.Moyer, R.R.Fullwood, J.L.Andrews
Title: Gamma-Ray Spectra from Resonant Neutron Capture in Mercury, Tungsten and Barium (Germanium Spectrometer)
Keyword abstract: NUCLEAR REACTIONS ^{135}Ba, ^{182}, ^{183}W, ^{198}, ^{199}Hg(n,γ),E=4-175 eV; measured Eγ,Iγ,resonance capture. ^{136}Ba, ^{183}, ^{184}W, ^{199}, ^{200}Hg deduced levels.
