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34 reference(s) found :

Keynumber: 2001GA57
Reference: Bull.Rus.Acad.Sci.Phys. 65, 121 (2001)
Authors: Yu.P.Gangrsky, P.Zuzaan, N.N.Kolesnikov, V.G.Lukashek, A.P.Tonchev
Title: Isomeric Ratios in Crossing (nγ) and (γn) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{74}Ge, ^{80}Se, ^{84}Sr, ^{108}Pd, ^{114}Cd, ^{112}, ^{122}Sn, ^{120}, ^{126}, ^{128}Te, ^{130}, ^{132}Ba, ^{136}, ^{138}Ce, ^{196}Pt, ^{196}Hg(n,γ),E=thermal; ^{76}Ge, ^{82}Se, ^{86}Sr, ^{110}Pd, ^{116}Cd, ^{114}, ^{124}Sn, ^{122}, ^{128}, ^{130}Te, ^{132}, ^{134}Ba, ^{138}, ^{140}Ce, ^{198}Pt, ^{198}Hg(γ,n),E=25 MeV bremsstrahlung; measured isomeric cross section ratios. Comparison with statistical model calculations.

Keynumber: 2001DE25
Reference: J.Radioanal.Nucl.Chem. 248, 103 (2001)
Authors: F.De Corte, S.Van Lierde
Title: Evaluation of (n,γ) Cross Sections from k_0-Factors for Radionuclides with a Short Half-Life and/or a Complex Activation-Decay Scheme
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{40}Ar, ^{59}Co, ^{70}Zn, ^{76}Se, ^{79}Br, ^{103}Rh, ^{108}Pd, ^{109}Ag, ^{121}, ^{123}Sb, ^{133}Cs, ^{178}Hf, ^{198}Pt, ^{204}Hg(n,γ),E=thermal; measured activation σ. Comparisons with previous results.

Keynumber: 1999VA07
Reference: Nucl.Instrum.Methods Phys.Res. A422, 874 (1999)
Authors: S.Van Lierde, F.De Corte, D.Bossus, R.van Sluijs, S.Pomme
Title: Determination of k_0 and Related Nuclear Data for Short-Lived Radionuclides to be used in KAYZERO-NAA at DSM Research
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{70}Zn, ^{76}Se, ^{79}Br, ^{103}Rh, ^{108}Pd, ^{109}Ag, ^{123}Sb, ^{178}Hf, ^{204}Hg(n,γ),E=reactor; measured Eγ,Iγ; deduced k_0 for neutron activation analysis.

Keynumber: 1999CR03
Reference: Phys.Rev. C60, 055503 (1999)
Authors: B.E.Crawford, J.D.Bowman, P.P.J.Delheij, T.Haseyama, J.N.Knudson, L.Y.Lowie, A.Masaike, Y.Matsuda, G.E.Mitchell, S.I.Penttila, H.Postma, N.R.Roberson, S.J.Seestrom, E.I.Sharapov, S.L.Stephenson, V.W.Yuan
Title: Parity Nonconservation in ^{106}Pd and ^{108}Pd Neutron Resonances
Keyword abstract: NUCLEAR REACTIONS ^{106}, ^{108}Pd(polarized n,γ),E=20-2000 eV; measured capture σ vs helicity; deduced weak spreading widths,possible parity nonconservation effects.

Keynumber: 1998CR04
Reference: Phys.Rev. C58, 729 (1998)
Authors: B.E.Crawford, J.D.Bowman, P.P.J.Delheij, T.Haseyama, J.N.Knudson, L.Y.Lowie, A.Masaike, Y.Matsuda, G.E.Mitchell, S.I.Penttila, H.Postma, N.R.Roberson, S.J.Seestrom, E.I.Sharapov, S.L.Stephenson, V.W.Yuan
Title: Neutron Resonance Spectroscopy of ^{106}Pd and ^{108}Pd from 20 to 2000 eV
Keyword abstract: NUCLEAR REACTIONS ^{106}, ^{108}Pd(n,γ), (n,n'γ),E=20-2000 eV; measured transmission,capture Eγ,Iγ. ^{106}, ^{108}Pd deduced resonances E,Γ,J,π. Multilevel,multichannel analysis.

Keynumber: 1993SH04
Reference: Nucl.Phys. A552, 293 (1993)
Authors: H.M.Shimizu, T.Adachi, S.Ishimoto, A.Masaike, Y.Masuda, K.Morimoto
Title: Longitudinal Asymmetry and γ-Ray Angular Distribution in Neutron-Radiative-Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{81}Br, ^{93}Nb, ^{108}Pd, ^{111}Cd, ^{124}Sn, ^{139}La(polarized n,γ),E=0.4-70 eV; measured Iγ(θ). Neutron-helicity dependence,p-wave resonance asymmetry,parity-nonconserving effect.

Keynumber: 1988MA16
Reference: Nucl.Phys. A478, 737c (1988)
Authors: Y.Masuda, T.Adachi, S.Ishimoto, E.Kikutani, M.Kohgi, H.Koiso, A.Masaike, K.Morimoto
Title: Measurement of Longitudinal Asymmetry in Neutron Radiative Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{138}La, ^{98}Mo, ^{108}Pd, ^{129}Xe(polarized n,γ),E ≈ resonance; measured radiative capture helicity dependence,asymmetry parameter.

Keynumber: 1983COZY
Reference: NEANDC(E)-242U, Vol.III, p.21 (1983)
Authors: E.Cornelis, C.Bastian, G.Rohr, R.Shelley, T.van der Veen, G.Vanpraet
Title: Average Capture Cross Section of the Fission Product Nuclei ^{104,105,106,108,110}Pd
Keyword abstract: NUCLEAR REACTIONS ^{104}, ^{105}, ^{106}, ^{108}, ^{110}Pd(n,γ),E=0.01-600 keV; measured σ(capture); deduced mass dependence.

Keynumber: 1982STZQ
Reference: NEANDC(E)-232U, Vol.III, p.16 (1982)
Authors: P.Staveloz, E.Cornelis, L.Mewissen, F.Poortmans, G.Rohr, R.Shelley, T.van der Veen
Title: Resonance Parameters of Pd Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{110}, ^{108}, ^{106}, ^{104}Pd(n,γ),E <20 keV; analyzed data. ^{111}, ^{109}, ^{107}, ^{105}Pd deduced <Γγ >s-wave strength function,level spacing.

Keynumber: 1982BUZT
Reference: NEANDC(E)-232U, Vol.III, .p.18 (1982)
Authors: R.Buyl, F.Corvi
Title: Thermal Capture Measurements of ^{105}Pd and ^{108}Pd
Keyword abstract: NUCLEAR REACTIONS ^{105}, ^{108}Pd(n,γ),E=thermal; measured total σ(capture).

Keynumber: 1982BAZO
Reference: NEANDC(E)-232U, Vol.III, p.18 (1982)
Authors: C.Bastian, E.Cornelis, G.Rohr, G.Vanpraet
Title: Average Capture Cross Sections of Palladium Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{104}, ^{105}, ^{106}, ^{108}, ^{110}Pd(n,γ),E=0.005-600 keV; measured σ(capture).

Keynumber: 1981HE03
Reference: Nucl.Phys. A357, 1 (1981)
Authors: M.Herman, A.Marcinkowski
Title: Cross Sections for Fast Neutron Capture on the Se,Pd,Cd,Os and Pt Isotopes

Keyword abstract: NUCLEAR REACTIONS ^{78}, ^{80}, ^{82}Se, ^{108}, ^{110}Pd, ^{114}, ^{116}Cd, ^{190}, ^{192}Os, ^{196}, ^{198}Pt (n,γ),E=0.5-1.3 MeV; measured σ(E). Activation technique. Compound nucleus 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: 1980SMZZ
Coden: CONF Rhodes(Struct Medium-Heavy Nuclei) Proc,P265,Smith
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=thermal,2.96 eV; measured Eγ,Iγ,γ(θ),ne-coin; ^{109}Pd deduced levels,J,π.

Keynumber: 1980CA02
Reference: Phys.Rev. C21, 65 (1980)
Authors: R.F.Casten, G.J.Smith, M.R.Macphail, D.Breitig, W.R.Kane, M.L.Stelts, S.F.Mughabghab, J.A.Cizewski, H.G.Borner, W.F.Davidson, K.Schreckenbach
Title: ^{109}Pd: Difficulties in Particle-Rotor Models for Unique-Parity States And Revision of Spectroscopic Factors
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=thermal,2.96 eV,2 keV,24 keV; measured Eγ,Iγ,Iγ(θ),I(ce). ^{109}Pd levels deduced J,π,multipolarities,S,ICC. Critical review of particle rotor model.

Keynumber: 1979STZE
Reference: Bull.Am.Phys.Soc. 24, No.7, 870, CC3 (1979)
Authors: P.Staveloz, E.Cornelis, L.Mewissen, F.Poortmans, G.Rohr, R.Shelley, T.Van der Veen
Title: Neutron Resonance Parameters for Pd Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{104}, ^{105}, ^{106}, ^{108}, ^{110}Pd(n,γ), (n,n),E <15 keV; measured σ. ^{105}, ^{106}, ^{107}, ^{109}, ^{111}Pd deduced Γn,Γγ,strength functions,level spacings.

Keynumber: 1979SMZT
Reference: JUL-Spez-36, p.49 (1979)
Authors: G.J.Smith, R.F.Casten, H.Borner, K.Schreckenbach, W.F.Davidson, J.A.Cizewski, M.R.Macphail, W.R.Kane, S.F.Mughabghab
Title: Low-Spin Odd Parity States in ^{109}Pd and Rotation-Aligned Models
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=thermal; measured Eγ,Iγ,I(ce). ^{109}Pd deduced levels,J,π,δ. Nilsson model Coriolis calculation with variable moment of inertia.

Keynumber: 1979MA34
Reference: Nucl.Sci.Eng. 71, 182 (1979)
Authors: R.L.Macklin, J.Halperin, R.R.Winters
Title: ^{104}, ^{105}, ^{106}, ^{108}, ^{110}Pd(n,γ) Cross Sections Above 2.6 keV
Keyword abstract: NUCLEAR REACTIONS ^{104}, ^{105}, ^{106}, ^{108}, ^{110}Pd(n,γ), E=2.6-112 keV; measured

σ(E). ^{105}, ^{106}, ^{107}, ^{108}, ^{111}Pd deduced resonance parameters, strength functions.

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: 1978SMZX
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P757,Smith
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=thermal,2.96 eV; measured Eγ,Iγ,I(ce),Iγ(θ). ^{109}Pd deduced levels,J,π,γ-branching. Rotation-aligned models.

Keynumber: 1978SMZJ
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No74,Smith
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=0-2.96 eV; measured Eγ,Iγ,σ(θ),I(ce). ^{109}Pd levels deduced J,π. Nilsson model Coriolis calculation, variable moment of inertia.

Keynumber: 1977SMZR
Coden: JOUR BAPSA 22 1025 DE3,Smith
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=th,2.6 eV; measured Eγ,Iγ,I(ce). ^{109}Pd deduced levels,λ,J,π.

Keynumber: 1977BA87
Reference: Probl.Yad.Fiz.Kosm.Luchei 7, 37 (1977)
Authors: I.F.Barchuk, G.V.Belykh, V.I.Golyshkin, A.F.Ogorodnik, M.M.Tuchinskij
Title: γ Rays from ^{108}, ^{110}Pd(n,γ)^{109}, ^{111}Pd Reactions Induced by Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{108}, ^{110}Pd(n,γ),E=thermal; measured Eγ,Iγ. ^{109}Pd deduced transitions,Sn. ^{111}Pd deduced transitions. Enriched targets.

Keynumber: 1976BAYK
Reference: Program and Theses, Proc.26th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Baku, p.78 (1976)
Authors: I.F.Barchuk, G.V.Belykh, V.I.Golyshkin, A.F.Ogorodnik, M.M.Tuchinsky
Title: Gamma-Rays from the Reactions ^{108}, ^{110}Pd(n,γ)^{109}, ^{111}Pd with Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{108}, ^{110}Pd(n,γ),E=thermal; measured Eγ,Iγ. ^{109}, ^{111}Pd deduced transitions. Enriched targets,Ge(Li) detectors.

Keynumber: 1975CIZW
Coden: JOUR BAPSA 20 1195 EE2
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=thermal; measured Eγ,γ(θ). ^{109}Pd levels deduced J.

Keynumber: 1975BAZR
Reference: INDC(CCP)-49/L, p.27 (1975)
Authors: I.F.Barchuk, G.V.Belykh, V.I.Golyshkin, A.F.Ogorodnik, M.M.Tuchinsky
Title: Gamma Rays from the Reaction ^{104}, ^{106}, ^{108}Pd(n,γ)^{105}, ^{107}, ^{109}Pd Induced by Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{104}, ^{106}, ^{108}Pd(n,γ),E=thermal; measured Eγ,Iγ. ^{105}, ^{109}Pd deduced transitions.

Keynumber: 1974HAXO
Coden: REPT USNDC-11 P11
Keyword abstract: NUCLEAR REACTIONS ^{108}, ^{110}Pd, ^{146}Nd, ^{50}Cr, ^{64}Ni(n,γ),E=not given; measured σ.

Keynumber: 1973MUZP
Coden: CONF Asilomar(Photonuclear Reactions),Vol1 P303
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ); measured Eγ,Iγ. ^{109}Pd resonances deduced J,π,S.

Keynumber: 1973MU20
Reference: Nucl.Phys. A213, 35 (1973)
Authors: M.Sriramachandra Murty, K.Siddappa, J.Rama Rao
Title: Structure of 3P Size Resonance in Neutron Strength Functions
Keyword abstract: NUCLEAR REACTIONS ^{63}Cu, ^{68}Zn, ^{74}, ^{80}Se, ^{81}Br, ^{85}, ^{87}Rb, ^{96}, ^{102}, ^{104}Ru, ^{98}, ^{100}Mo, ^{108}Pd, ^{109}Ag, ^{113}, ^{115}In, ^{121}, ^{123}Sb, ^{133}Cs, ^{138}Ba, ^{140}Ce(n,γ),E=18-28 keV; measured σ,extracted p-wave neutron strength function.

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

Keynumber: 1972MUZN
Coden: CONF Budapest,Contributions,P216,S Mughabghab,10/13/72
Keyword abstract: NUCLEAR REACTIONS ^{108}Pd(n,γ),E=2.96 eV resonance; measured σ(Eγ). ^{109}Pd deduced level-width; tested valence model.

Keynumber: 1972LA36
Reference: Lett.Nuovo Cim. 5, 1025 (1972)
Authors: A.Lakshmana Rao, J.Rama Rao
Title: Isomer Ratios and the Shifted Fermi Gas Model
Keyword abstract: NUCLEAR REACTIONS ^{108}, ^{110}Pd, ^{196}Pt(n,γ),E=25 keV; measured isomer σ ratio.

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: 1966COZZ
Reference: Proc.Intern.Conf.Study of Nucl.Struct.with Neutrons, Antwerp, Belgium (1965), M.N.de Mevergnies, P.Van Assche, J.Vervier, Eds., North-Holland Publishing Co., Amsterdam, p.525 (1966); EANDC-50-S, Paper 72
Authors: C.Coceva, F.Corvi, P.Giacobbe, M.Stefanon
Title: Slow Neutron Resonances in Pd Isotopes
Keyword abstract: NUCLEAR REACTIONS Pd, ^{105}, ^{106}, ^{108}, ^{110}Pd(n,γ),E <100 eV; measured σ(nt). ^{106}, ^{107}, ^{109}, ^{111}Pd deduced resonances,level-width,resonance parameters,strength functions.
