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33 reference(s) found :

Keynumber: 2001ZHZY
Reference: INDC(CPR)-055 (2001)
Authors: C.Zhou
Title: Thermal-Neutron Capture Data Update and Revision for Some Nuclides with A >190
Keyword abstract: COMPILATION ^{193}Ir, ^{194}, ^{195}Pt(n,γ),E=thermal; compiled,evaluated prompt γ-ray data.
Keyword abstract: NUCLEAR REACTIONS ^{193}Ir, ^{194}, ^{195}Pt(n,γ),E=thermal; compiled,evaluated prompt γ-ray data.

Keynumber: 2001VA11
Reference: Yad.Fiz. 64, No 2, 195 (2001); Phys.Atomic Nuclei 64, 153 (2001)
Authors: E.V.Vasilieva, A.M.Sukhovoj, 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}Hg(n,γ),E=thermal; measured Eγ, 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.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: 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: 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.

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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.1587 (1997)
Authors: T.Rauscher, H.Beer, H.Oberhummer, F.-K.Thielemann
Title: Neutron Capture Reaction Rates of Unstable Isotopes in the s-Process Branchings
Keyword abstract: NUCLEAR REACTIONS ^{190}, ^{192}, ^{194}, ^{195}, ^{196}, ^{198}Pt(n,γ),E not given; measured σ; deduced Maxwellian averaged σ. Comparison with calculations,previous data.

Keynumber: 1994AL50
Reference: Bull.Rus.Acad.Sci.Phys. 58, 1889 (1994)
Authors: M.A.Ali, E.V.Vasilieva, A.V.Voinov, O.D.Kestarova, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov
Title: Cascade γ-Decay of the ^{196}Pt Compound State Excited by Capture of Thermal Neutrons in ^{195}Pt
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=thermal; measured Eγ,Iγ. ^{196}Pt deduced giant magnetic dipole resonance role in cascaded γ-decay.

Keynumber: 1988PE06
Reference: J.Phys.(London) G14, Supplement S97 (1988)
Authors: P.Petkov, W.Andrejtscheff, Ch.Protochristov, W.D.Hamilton, F.Hoyler, V.V.Martynov
Title: Absolute E0,E1 and E2 Transition Rates in Even-Even Nuclei Obtained in Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{195}Pt, ^{123}Te(n,γ),E=thermal; measured γγ(θ,t),time-related γ-spectra. ^{168}Er, ^{196}Pt, ^{124}Te levels deduced $T_{1/2}$,B(λ).
Keyword abstract: NUCLEAR STRUCTURE ^{172}Yb; analyzed data; deduced level characteristics,B(λ).

Keynumber: 1982KA28
Reference: Phys.Lett. 117B, 15 (1982)
Authors: W.R.Kane, R.F.Casten, D.D.Warner, K.Schreckenbach, H.R.Faust, S.Blakeway
Title: Strengths of E0 Transitions in ^{188}Os and ^{196}Pt and the Structure of IBA Wavefunctions in the Os-Pt Transition Region
Keyword abstract: NUCLEAR REACTIONS ^{187}Os, ^{195}Pt(n,γ),E=thermal; measured I(ce),Eγ,Iγ. ^{188}Os, ^{196}Pt deduced levels,B(E0)/B(E2),E0 transition strength. Interacting boson model,O(6) limit.

Keynumber: 1981ST16
Reference: Phys.Rev. C24, 1419 (1981)
Authors: M.L.Stelts, R.E.Chrien, M.K.Martel
Title: Nuclear Level Densities from Resonance Averaged Neutron Capture γ-Ray Spectra
Keyword abstract: NUCLEAR REACTIONS ^{147}, ^{149}, ^{154}Sm, ^{165}Ho, ^{167}Er, ^{181}Ta, ^{182}W, ^{189}Os, ^{195}Pt, ^{197}Au, ^{236}, ^{238}U(n,γ),E=2,24 keV; measured Eγ,Iγ for average resonance capture. ^{148}, ^{150}, ^{155}Sm, ^{166}Ho, ^{168}Er, ^{182}Ta, ^{183}W, ^{190}Os, ^{196}Pt, ^{198}Au, ^{237}, ^{239}U deduced level density parameters. Fermi gas

model.

Keynumber: 1981KAZR
Reference: Bull.Am.Phys.Soc. 26, No.8, 1117, AD8 (1981)
Authors: W.R.Kane, R.F.Casten, D.D.Warner, K.Schreckenbach, H.Faust, S.Blakeway
Title: E0 Transitions in ^{188}Os and ^{196}Pt: Structure of IBA model wave functions
Keyword abstract: NUCLEAR REACTIONS ^{187}Os, ^{195}Pt(n,e), (n,γ),E=thermal; measured σ(E(e),Eγ,Iγ). ^{188}Os, ^{196}Pt deduced 0^+ states,E0 transitions. Interacting boson model.

Keynumber: 1979CIZX
Reference: JUL-Spez-36, p.57 (1979)
Authors: J.A.Cizewski, R.F.Casten, M.R.Macphail, G.J.Smith, M.L.Stelts, W.R.Kane, H.G.Borner, W.F.Davidson
Title: Negative Parity States in ^{196}Pt
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=thermal,resonance; measured Eγ,Iγ,γγ-coin. ^{196}Pt deduced levels,J,π. Core-particle coupling model with residual interactions.

Keynumber: 1979CI04
Reference: Nucl.Phys. A323, 349 (1979)
Authors: J.A.Cizewski, R.F.Casten, G.J.Smith, M.R.Macphail, M.L.Stelts, W.R.Kane, H.G.Borner, W.F.Davidson
Title: The Level Structure of ^{196}Pt
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=thermal,11.9 eV,19.6 eV,2 keV; measured Eγ,Iγ,γγ-coin. ^{196}Pt deduced levels,transitions,J,π. Ge(Li) detectors,curved-crystal spectrometers. Enriched targets. Interacting boson approximation model in O(6) limit,negative parity decoupled bands.

Keynumber: 1978CIZZ
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No17,Cizewski
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ); measured thermal,discrete resonance capture. ^{196}Pt deduced levels,J,π.

Keynumber: 1978CIZY
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No18,Cizewski
Keyword abstract: NUCLEAR REACTIONS ^{155}Gd, ^{189}Os, ^{195}Pt(n,γ),E=2 keV; measured average σ(Eγ). ^{156}Gd, ^{190}Os, ^{196}Pt deduced energy gap.

Keynumber: 1978CIZX
Coden: JOUR DABBB 39 2869,Cizewski
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=th,resonance; measured Eγ,Iγ. ^{196}Pt deduced levels,J,π,B(E2). Interacting boson approximation.

Keynumber: 1978CIZW
Coden: REPT JUL-Spez-15,P57,Cizewski
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{196}Pt deduced levels,B(E2). Interacting boson model,O(6) symmetry group.

Keynumber: 1978CIZQ

Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr) Proc,P579,Cizewski
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=thermal,resonance; measured Eγ,Iγ,γγ-coin. ^{196}Pt deduced levels,J,π.

Keynumber: 1978CIZP
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P582,Cizewski
Keyword abstract: NUCLEAR REACTIONS ^{155}Gd, ^{189}Os, ^{195}Pt(n,γ),E=resonance; measured Eγ,Iγ. ^{156}Gd, ^{190}Os, ^{196}Pt deduced energy gap. Average resonance capture technique.

Keynumber: 1978CI02
Reference: Phys.Rev.Lett. 40, 167 (1978)
Authors: J.A.Cizewski, R.F.Casten, G.J.Smith, M.L.Stelts, W.R.Kane, H.G.Borner, W.F.Davidson
Title: Evidence for a New Symmetry in Nuclei: The Structure of ^{196}Pt and the 0(6) Limit
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=2 keV; measured Eγ,Iγ. ^{196}Pt deduced levels,J,π.

Keynumber: 1977CIZZ
Coden: JOUR BAPSA 22 545 BG3,Cizewski
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Keynumber: 1977CIZY
Coden: JOUR BAPSA 22 996 AD2,Cizewski
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ); measured γ-spectra. ^{196}Pt deduced levels.

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Authors: J.A.Cizewski, R.F.Casten, M.R.MacPhail, G.J.Smith, W.R.Kane
Title: Low Spin States in ^{196}Pt
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=11.9 eV; measured Eγ,Iγ. ^{196}Pt deduced resonances,levels,γ-branching. Systematics.

Keynumber: 1975VE11
Reference: Yad.Fiz. 22, 674 (1975); Sov.J.Nucl.Phys. 22, 348 (1976)
Authors: V.P.Vertebnyi, P.N.Vorona, A.I.Kalchenko, V.A.Pshenichnyi, V.K.Rudishin
Title: Interaction of Slow Neutrons with Isotopes of Os and Pt
Keyword abstract: NUCLEAR REACTIONS ^{186}, ^{187}, ^{188}, ^{189}, ^{190}, ^{192}Os, ^{190}, ^{192}, ^{194}, ^{195}, ^{196}, ^{198}Pt (n,γ),E=thermal,resonance; measured σ.

Keynumber: 1973SMZG
Coden: REPT ANL-8035 P23
Keyword abstract: RADIOACTIVITY ^{197}Pt; measured Eγ,Iγ. ^{197}Au deduced levels.
Keyword abstract: NUCLEAR REACTIONS ^{195}, ^{196}Pt(n,γ); measured σ(Eγ).

Keynumber: 1971WA24
Reference: Z.Phys. 247, 153 (1971)
Authors: M.Waldschmidt, P.Osterman

Title: Das Konversionselektronenspektrum von ^{196}Pt nach Neutroneneinfang
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=thermal; measured E(ce),I(ce). ^{196}Pt transitions deduced ICC,γ-multipolarity.

Keynumber: 1970CHZQ
Coden: REPT NCSAC-33 P16
Keyword abstract: NUCLEAR REACTIONS ^{98}Mo, ^{111}Cd, ^{195}Pt, ^{238}U(n,γ),E=resonance; measured Iγ. ^{99}Mo, ^{112}Cd, ^{196}Pt, ^{239}U deduced transition strengths.

Keynumber: 1968SA13
Reference: Nucl.Phys. A121, 65 (1968)
Authors: C.Samour, H.E.Jackson, J.Julien, A.Bloch, C.Lopata, J.Morgenstern
Title: Etude de la Capture Radiative des Neutrons de Resonance dans le Platine
Keyword abstract: RADIOACTIVITY ^{196}Au; measured Eγ,Iγ. ^{196}Pt deduced levels. Ge(Li) detector.
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ), E=10-700 eV; measured σ(E; Eγ). ^{196}Pt, deduced resonances, level-width γ. Pt(n,γ), E=th; measured Eγ, Iγ. ^{193}, ^{195}, ^{196}, ^{197}, ^{199}Pt deduced levels, J. Natural target, Ge(Li) detector.

Keynumber: 1968GR21
Reference: Yadern.Fiz. 7, 937 (1968); Sov.J.Nucl.Phys. 7, 563 (1968)
Authors: L.V.Groshev, A.M.Demidov, A.S.Rakhimov
Title: γ-Ray Spectrum from Capture of Thermal Neutrons in Pt
Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ),E=thermal; measured Eγ,Iγ. ^{196}Pt deduced levels. Natural target.

Keynumber: 1968BOZW
Reference: Proc.Conf.Slow-Neutron-Capture-Gamma-Ray Spectr., Argonne, Ill. (1966), F.E.Throw, Ed., ANL-7282, p.523 (1968)
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Keyword abstract: NUCLEAR REACTIONS ^{6}Li, ^{7}Li, ^{9}Be, ^{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}Pb(n,γ), E = thermal; measured Eγ; deduced Q. Natural targets.

Keynumber: 1967GR24
Reference: IAE-1386 (1967)
Authors: L.V.Groshev, A.M.Demidov, A.S.Rakhimov

Title: Spectra of γ-Rays Excited by Capture of Slow Neutrons in Platinum

Keyword abstract: NUCLEAR REACTIONS ^{194}, ^{195}, ^{196}Pt(n,γ),E=slow; measured Eγ,Iγ. ^{196}Pt deduced levels.

Keynumber: 1967GR18
Reference: Intern.Conf.Nucl.Structure, Tokyo, p.157(1967)
Authors: L.V.Groshev, A.M.Demidov, A.S.Rakhimov
Title: The Thermal Neutron Gamma-Rays Spectrum by Platinum

Keyword abstract: NUCLEAR REACTIONS ^{195}Pt(n,γ), E=thermal; measured Eγ, Iγ. ^{196}Pt deduced levels.
