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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.

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Title: Influence of the Structure of Excited States in Heavy Ions on the Process of Cascade γ-Decay at Energies below the Neutron Binding Energy
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{155}, ^{157}Gd, ^{173}Yb, ^{180}Hf, ^{182}W, ^{189}Os, ^{197}Au (n,γ),E not given; analyzed level densities,dipole strength distributions,two-step cascade intensities following neutron capture; deduced structure effects.

Keynumber: 2000BO50
Reference: Bull.Rus.Acad.Sci.Phys. 64, 473 (2000)
Authors: S.T.Boneva, E.V.Vasilieva, A.M.Sukhovoi, V.A.Khitrov
Title: Cascade γ-Decay of the Compound State in ^{190}Os Nucleus
Keyword abstract: NUCLEAR REACTIONS ^{189}Os(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{190}Os deduced levels,transition intensity distributions,level density features. Comparison with model predictions.

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: 1983CAZQ
Reference: Bull.Am.Phys.Soc. 28, No.7, 997, ED2 (1983)
Authors: Z.Cao, R.L.Hershberger, M.T.McEllistrem
Title: Neutron Capture in ^{187}, ^{189}Os,Neutron Scattering, and the Re/Os Galactic Age
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Keynumber: 1981ST16
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Authors: M.L.Stelts, R.E.Chrien, M.K.Martel
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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.

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Keyword abstract: NUCLEAR REACTIONS ^{186}, ^{187}, ^{188}, ^{189}, ^{190}, ^{192}Os(n,γ),E=2 eV-150 keV; measured σ; deduced nucleosynthesis duration,age of universe,Maxwellian average σ. ^{187}, ^{188}, ^{189}, ^{190}, ^{191}, ^{193}Os deduced average level spacing.

Keynumber: 1979CA02
Reference: Nucl.Phys. A316, 61 (1979)
Authors: R.F.Casten, M.R.Macphail, W.R.Kane, D.Breitig, K.Schreckenbach, J.A.Cizewski
Title: Levels and γ-Ray Transitions in ^{190}Os, A Perturbed O(6) Nucleus
Keyword abstract: NUCLEAR REACTIONS ^{189}Os(n,γ),E=th,6.7,7.4,9.0,9.4,10.3 eV; measured Eγ,Iγ,E(ce),I(ce),γγ-coin. ^{190}Os deduced levels,J,π,ICC,γ-multipolarity,decay systematics of 0+ states. Ge(Li) detectors,magnetic spectrometer. Enriched targets. Comparison with interacting boson approximation model near O(6) limit.

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: 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: 1976ST14

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Authors: A.Stolovy, A.I.Namenson, B.L.Berman
Title: Spin-State Determinations and Spacings of Neutron Resonances for ^{187}Os And ^{189}Os
Keyword abstract: NUCLEAR REACTIONS ^{187}, ^{189}Os(n,γ),E=5-350 eV; measured σ(E,Eγ). ^{188}, ^{190}Os deduced resonances,J,average spacing.

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: 1975NA02
Reference: Nucl.Phys. A237, 45 (1975)
Authors: A.I.Namenson, A.Stolovy, G.L.Smith
Title: Spins of Low-Energy Neutron Resonances in ^{175}Lu, ^{189}Os and ^{187}Os
Keyword abstract: NUCLEAR REACTIONS ^{175}Lu, ^{187}, ^{189}Os(n,γ),E=2.6-300 eV; measured Eγ,Iγ. ^{176}Lu, ^{190}Os resonances deduced J,gn-width,spin cut-off factors. ^{188}Os resonances deduced J. Enriched targets.

Keynumber: 1975MAZW
Coden: JOUR BAPSA 20 97 KE5
Keyword abstract: NUCLEAR REACTIONS ^{187}, ^{189}Os(n,γ),E=thermal,resonance; measured σ. ^{188}, ^{190}Os deduced K.

Keynumber: 1975MAZQ
Coden: REPT ERDA/NDC-2, p46, Macphail
Keyword abstract: NUCLEAR REACTIONS ^{187}, ^{189}Os(n,γ),E=thermal,resonant; measured σ(E,Eγ). ^{190}Os resonances deduced J.

Keynumber: 1975MA46
Reference: Phys.Lett. 59B, 435 (1975)
Authors: M.R.Macphail, R.F.Casten, W.R.Kane
Title: Gamma-Ray Deexcitation of 0^+,2^+ States in ^{188}, ^{190}Os
Keyword abstract: NUCLEAR REACTIONS ^{187}, ^{189}Os(n,γ),E=thermal,resonance; measured Eγ,Iγ. ^{188}, ^{190}Os deduced levels,B(λ).

Keynumber: 1975MA31
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Authors: M.R.Macphail, R.F.Casten, W.R.Kane
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Keynumber: 1974MAXT
Coden: JOUR BAPSA 19 1012 CD12

Keyword abstract: NUCLEAR REACTIONS ^{187}, ^{189}Os(n,γ),E=thermal,resonance eV; measured Eγ,Iγ,γγ-coin. ^{188}, ^{190}Os levels,J,π.

Keynumber: 1973THZM
Reference: Thesis, Florida State Univ. (1973); Diss.Abst.Int. 34B, p.1222 (1973)
Authors: R.C.Thompson,Jr.
Title: Nuclear Structure of ^{187}Os, ^{188}Os and ^{190}Os
Keyword abstract: NUCLEAR REACTIONS ^{188}, ^{189}Os(d,t), ^{189}Os(d,p), (n,γ); measured σ (Et,Ep,Eγ,θ). ^{187}, ^{188}, ^{190}Os deduced levels.

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Authors: A.I.Namenson
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Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd, ^{187}, ^{189}Os(n,γ); calculated Iγ,γγ-coin. ^{185}, ^{187}Re, ^{177}Hf(n,γ); calculated γγ-coin. Deduced resonances,J.

Keynumber: 1973FAZY
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Authors: U.Fanger, D.Heck, R.Pepelnik, H.Schmidt
Title: Investigation of the Level Structure of ^{87}Sr, ^{92}Zr, ^{190}Os and ^{233}Th using the Radiative Neutron Capture Reaction
Keyword abstract: NUCLEAR REACTIONS ^{86}Sr, ^{91}Zr, ^{189}Os, ^{232}Th(n,γ); measured Eγ. ^{87}Sr, ^{92}Zr, ^{233}Th deduced levels,J,π,S(n). ^{190}Os deduced levels,J,π.

Keynumber: 1972VEZM
Reference: Natl.Sov.Conf. on Neutron Physics, Kiev, p.181 (1971)
Authors: V.P.Vertebnyi, P.N.Vorona, A.I.Kalchenko, V.V.Kolotyi, M.V.Pasechnik, V.A.Pshenichnyi, Zh.I.Pisanko, V.K.Rudishin
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Keyword abstract: NUCLEAR REACTIONS ^{186}, ^{187}, ^{189}, ^{190}, ^{192}Os, ^{168}Yb(n,γ); measured σ(E). ^{187}, ^{188}, ^{190}, ^{191}, ^{193}Os, ^{169}Yb deduced resonances,level-width.

Keynumber: 1972NAZZ
Coden: JOUR BAPSA 17 487,A I Namenson,4/30/72
Keyword abstract: NUCLEAR REACTIONS ^{189}Os(n,γ),E <200 eV; measured σ(E;Eγ). ^{190}Os deduced resonances,J.

Keynumber: 1972NAZV
Coden: REPT INDC(USA)-43 U,P127,10/20/72
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Keyword abstract: NUCLEAR REACTIONS ^{189}Os(n,γ),E=thermal; measured Eγ,Iγ. ^{190}Os deduced K=0 states,B(E2).

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Keyword abstract: NUCLEAR REACTIONS ^{189}Os(n,γ),E=thermal; measured Eγ,Iγ,γγ(θ). ^{190}Os deduced levels,J,B(E2).

Keynumber: 1972HEYS
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Keyword abstract: NUCLEAR REACTIONS ^{189}Os(n,γ),E=thermal; measured Eγ,Iγ. ^{190}Os deduced levels,γ-branching.

Keynumber: 1970THZU
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Authors: G.E.Thomas, L.M.Bollinger
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