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Keynumber: 2001WI03
Reference: Nucl.Sci.Eng. 137, 183 (2001)
Authors: K.Wisshak, F.Voss, F.Kappeler
Title: Neutron Capture Cross Section of ^{232}Th
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{232}Th(n,γ),E=5-225 keV; measured Eγ,sum energy spectra,capture σ.

Keynumber: 2000ZHZT
Reference: INDC(CPR)-052/L, p.1 (2000)
Authors: G.Zhang, Z.Shi, G.Tang, J.Chen, H.Lu
Title: Measurement of Cross Sections of the ^{75}As(n,γ)^{76}As Reaction
Keyword abstract: NUCLEAR REACTIONS ^{75}As, ^{197}Au(n,γ),E=0.50,1.15,1.50 MeV; measured σ. Activation technique,comparisons with previous results.

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Reference: Fiz.Elem.Chastits At.Yadra 31, 350 (2000); Phys.Part.Nucl. 31, 170 (2000)
Authors: E.V.Vasileva, A.M.Sukhovoi, V.A.Khitrov
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: 2000PO20
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Authors: S.Pomme, A.Simonits, R.Lindstrom, F.De Corte, P.Robouch
Title: Determination of Burnup Effects in ^{197}Au(n,γ)^{198}Au Prior to Reactor Neutron Field Characterisation
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Title: Measurement and Analysis of Capture Reaction Rate of ^{237}Np in Various Thermal Neutron Fields by Critical Assembly and Heavy Water Thermal Neutron Facility of Kyoto University
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{237}Np(n,γ),E=thermal; measured relative capture reaction rates. Activation technique,comparison with model predictions,data libraries.

Keynumber: 1999SU03
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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
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Authors: N.E.Holden
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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: 1999GR06
Reference: Yad.Fiz. 62, No 2, 227 (1999); Phys.Atomic Nuclei 62, 192 (1999)
Authors: O.T.Grudzevich
Title: Energy Dependence of Radiative Strength Functions and Photon Spectra

Keyword abstract: NUCLEAR STRUCTURE A=50-185; analyzed E1,M1 radiative strength functions.

Keyword abstract: NUCLEAR REACTIONS ^{159}Tb, ^{165}Ho, ^{181}Ta, ^{197}Au(n,γ),E not given; Tb (n,γ),E=0.01,0.4,0.8 MeV; ^{56}Fe, ^{52}Cr(n,γ),E=14 MeV; ^{45}Sc, ^{89}Y, ^{93}Nb, ^{127}I, ^{133}Cs, ^{141}Pr, ^{139}La, ^{209}Bi (n,γ),E=0.5 MeV; analyzed Eγ; deduced energy dependence of E1,M1 radiative strength functions,E2 radiative widths.

Keynumber: 1999BO14
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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

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Keynumber: 1997SU29
Reference: Bull.Rus.Acad.Sci.Phys. 61, 1611 (1997)
Authors: A.M.Sukhovoi, V.A.Khitrov
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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: 1997ROZZ
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Authors: J.Rong, G.Lui
Title: The Integral Test of the Reactor Dosimetry Data
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{46}, ^{47}, ^{48}Ti, ^{54}, ^{56}Fe, ^{58}, ^{60}Ni, ^{32}S(n,p), ^{27}Al, ^{59}Co, ^{63}Cu(n,α), ^{55}Mn, ^{59}Co, ^{58}Ni, ^{65}Cu(n,2n), ^{23}Na, ^{45}Sc, ^{59}Co, ^{58}Fe, ^{63}Cu, ^{115}In, ^{197}Au, ^{232}Th, ^{238}U(n,γ), ^{235}, ^{238}U, ^{232}Th, ^{237}Np, ^{239}Pu(n,F), ^{47}, ^{48}Ti(n,np), ^{6}Li, ^{10}B, ^{115}In(n,X),E=reactor; calculated spectrum averaged σ. Several data libraries compared.

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Authors: Z.-X.Zhao, T.Liu
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Keyword abstract: NUCLEAR REACTIONS ^{165}Ho, ^{197}Au(n,γ),E=203-974 keV; measured Eγ,Iγ; deduced relative σ.

Keynumber: 1995LI14
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Authors: L.L.Litvinsky, S.Sabbagh

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Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,n'), (n,γ),E ≤ 250 keV; analyzed σ(E). ^{198}Au deduced p-,d-wave strength functions,other parameters.

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Authors: S.T.Boneva, E.V.Vasilieva, A.V.Voinov, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov

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Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured γ-spectra,γγ-coin. ^{198}Au dedused two-step cascade intensities.

Keynumber: 1995BO41
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Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured γγ-coin following capture. ^{198}Au deduced decay scheme.

Keynumber: 1994VI08
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Authors: I.N.Vishnevsky, V.A.Zheltonozhsky, S.V.Reshitko

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Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{181}Ta, ^{151}Eu(n,γ),E=thermal,resonance; measured isomeric yield ratios. Activation techniques.

Keynumber: 1994KO54
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Authors: P.E.Koehler

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Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E ≤ 60 keV; measured σ(E); deduced white neutron source energy resolution. Data on ^{36}Cl(n,p) included.

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Keyword abstract: ATOMIC PHYSICS ^{197}Au,Ir(n,γ),E=thermal; measured recoil atom surface desorption features. Activation technique.

Keynumber: 1993VIZU
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Authors: I.N.Vishnevsky, V.A.Zheltonozhsky, S.V.Reshitko
Title: On Character of γ-Radiation in (n,γ) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{151}Eu, ^{181}Ta, ^{197}Au(n,γ),E=thermal; measured isomeric ratios,γ-spectra. ^{152}Eu, ^{182}Ta, ^{198}Au deduced transition feature.

Keynumber: 1993PE04
Reference: Nucl.Phys. A554, 189 (1993)
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Title: Electromagnetic Transition Strengths in the Transitional Doubly Odd Nucleus ^{198}Au

Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured E,Iγ,γγ(t). ^{198}Au levels deduced $T_{1/2}$,B(λ). Natural target,Ge detector,generalized centroid-shift analysis,interacting boson-fermion-fermion calculations.

Keynumber: 1992ZHZE
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Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E ≤ 10 MeV; ^{197}Au(n,n'), (n,2n),E ≤ 20 MeV; calculated σ(E); deduced level density parameter dependence. Statistical,preequilibrium models.

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Keyword abstract: NUCLEAR REACTIONS ^{93}Nb,Mo, ^{197}Au(n,γ),E=0.7-1.4 MeV; measured capture σ. Tof,liquid scintillator detector.

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Keynumber: 1989IV01
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Authors: V.V.Ivanenko, V.N.Kustov, V.A.Anufriev
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Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{39}K, ^{51}V, ^{127}I, ^{133}Cs, ^{159}Tb, ^{165}Ho, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{191}Ir, ^{197}Au, ^{232}Th(n,γ),E=low; meaured Eγ,absolute Iγ. ^{28}Al, ^{40}K, ^{52}V, ^{128}I, ^{134}Cs, ^{160}Tb, ^{166}Ho, ^{170}Tm, ^{176}Lu, ^{182}Ta, ^{192}Ir, ^{198}Au, ^{233}Th deduced transitions. Si-Li detector.

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Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E ≈ stellar neutron spectrum; measured

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Keynumber: 1986OK02
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Authors: A.Okazaki, R.T.Jones
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Keyword abstract: NUCLEAR REACTIONS ^{233}, ^{235}U, ^{239}Pu(n,F), ^{238}U, ^{232}Th, ^{63}Cu, ^{115}In, ^{176}Lu, ^{197}Au(n,γ),E=thermal; measured effective σ vs temperature in Maxwellian distribution for fission,capture.

Keynumber: 1986KA42
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Keyword abstract: NUCLEAR REACTIONS ^{235}, ^{238}U, ^{239}, ^{240}, ^{241}Pu(n,F), ^{197}Au, ^{238}U(n,γ),E=0.05-20 MeV; compiled,evaluated reaction,fission σ(E),covariances. Simultaneous evaluation method.

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Keyword abstract: NUCLEAR REACTIONS ^{141}Pr, ^{159}Tb, ^{165}Ho, ^{175}Lu,Ta, ^{197}Au(n,γ),E=10-800 keV; measured σ(E,Eγ) versus θ; deduced γ-ray strength functions. Natural targets.

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Title:

Keyword abstract: NUCLEAR REACTIONS ^{115}In, ^{197}Au(n,γ),E=2.7 MeV; measured σ.

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Title: The Neutron Cross Section Standards Evaluations for ENDF/B-VI

Keyword abstract: NUCLEAR REACTIONS ^{6}Li(n,n), (n,t), ^{10}B(n,α), ^{197}Au(n,γ), ^{235}, ^{238}U, ^{239}Pu (n,F), ^{238}U(n,γ),E ≤ 20 MeV; compiled,evaluated reaction,fission σ(E). Simultaneous evaluation method.

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Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{115}In(n,γ),E=2-7.7 MeV; measured σ(E). Activation method. Compound nucleus,direct-semidirect models.

Keynumber: 1985KO48
Reference: Nucl.Instrum.Methods Phys.Res. B10/11, 1058 (1985)
Authors: K.Koh, R.Finn, P.Smith, E.Tavano, J.Dwyer, H.Sheh
Title: Activation Analysis Utilizing Byproduct Neutrons of Cyclotron Internal Target Runs

Keyword abstract: NUCLEAR REACTIONS ^{58}Ni(n,2n), ^{27}Al(n,α), ^{56}Fe, ^{65}Cu, ^{24}Mg, ^{58}Ni(n,p), ^{23}Na, ^{55}Mn, ^{64}Ni, ^{71}Ga, ^{81}Br, ^{109}Ag, ^{115}In, ^{197}Au(n,γ),E=thermal-14.4 MeV; measured thermal,absorption σ,reaction rates. Neutron activation analysis.

Keynumber: 1985DA27
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Authors: A.N.Davletshin, A.O.Tipunkov, S.V.Tikhonov, V.A.Tolstikov
Title: Radiative Capture Cross Section of Fast Neutrons by ^{197}Au, ^{236}U and ^{237}Np Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{236}U, ^{237}Np(n,γ),E=fast; measured capture σ(E).

Keynumber: 1985BE48
Reference: Fizika(Zagreb) 17, 191 (1985)
Authors: H.Benabdallah, G.Paic, J.Csikai
Title: Measurement of Some Average Cross Sections for Activation in the Spontaneous Fission Neutron Field of ^{252}Cf

Keyword abstract: NUCLEAR REACTIONS ^{115}In(n,n'), (n,γ), ^{113}In, ^{111}Cd(n,n'), ^{197}Au(n,γ), ^{110}Cd (n,γ), ^{58}Ni, ^{27}Al, ^{64}Zn(n,p), ^{68}Zn, ^{138}, ^{134}Ba, ^{86}Sr(n,γ), ^{135}Ba, ^{87}Sr(n,n'),E=fission spectrum; measured average σ. Small ^{252}Cf source.

Keynumber: 1985AN21
Reference: Nucl.Phys. A443, 404 (1985)
Authors: P.Andersson, R.Zorro, I.Bergqvist, M.Herman, A.Marcinkowski
Title: Cross Sections for ^{197}Au(n,γ)^{198}Au and ^{115}In(n,γ)^{116m}In in the Neutron Energy Region 2.0-7.7 MeV

Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{115}In(n,γ),E=2-7.7 MeV; measured σ(E). Compound nucleus analysis.

Keynumber: 1984DEZQ
Reference: Program and Theses, Proc.34th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Alma-Ata, p.329 (1984)
Authors: V.L.Demechin, B.E.Leshchenko, V.K.Maidanyuk, G.Peto, V.A.Plyuiko
Title:

Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=14.6 MeV; measured ^{198m}Au production σ. Activation technique.

Keynumber: 1984DAZM
Reference: Proc.Conf.Neutron Physics, Kiev, Vol.3, p.211 (1984)
Authors: A.N.Davletshin, A.O.Tipunkov, S.V.Tikhonov, V.A.Tolstikov, V.V.Tuzkilov, S.N.Baikalov, V.S.Korolev
Title:

Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=0.16-1.15 MeV; measured σ(E). Ge(Li) detector,activation technique, ^{1}H(n,n) data standard.

Keynumber: 1983YA09
Reference: J.Nucl.Sci.Technol.(Tokyo) 20, 797 (1983)
Authors: N.Yamamuro, M.Igashira, T.Sekiya, H.Shirayanagi
Title: keV-Neutron Capture in Cesium-133, Gold-197 and Tantalum-181

Keyword abstract: NUCLEAR REACTIONS ^{133}Cs, ^{197}Au, ^{181}Ta(n,γ),E=3.2-270 keV; measured capture σ(E). ^{198}Au, ^{134}Cs, ^{182}Ta deduced level density distributions,γ-strength functions.

Keynumber: 1983IGZY
Reference: NEANDC(J)-94/U, p.81 (1983)
Authors: M.Igashira, T.Natsume, H.Kitazawa, N.Yamamuro
Title: Gamma-Rays from Capture of keV Neutrons in Au

Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=15,24,40,200,416,622 keV; measured capture Eγ,Iγ.

Keynumber: 1983HU05
Reference: Int.J.Appl.Radiat.Isotop. 34, 731 (1983)
Authors: H.A.Hussain, S.E.Hunt
Title: Absolute Neutron Cross Section Measurements in the Energy Range between 2 and 5 MeV
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{47}Ti, ^{58}Ni, ^{64}Zn(n,p), ^{115}In, ^{197}Au(n,γ),E=2-5 MeV; measured σ(E). Activation technique.

Keynumber: 1983AH01
Reference: Ann.Nucl.Energy 10, 41 (1983)
Authors: A.Ahmad
Title: Analysis and Evaluation of Thermal and Resonance Neutron Activation Data
Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{50}Ti, ^{50}Cr, ^{51}V, ^{55}Mn, ^{58}Fe, ^{59}Co, ^{74}Se, ^{85}Rb, ^{94}, ^{96}Zr, ^{123}Sb, ^{130}Ba, ^{133}Cs, ^{139}La, ^{140}Ce, ^{159}Tb, ^{180}Hf, ^{181}Ta, ^{197}Au(n,γ),E=thermal,epithermal; analyzed data. Generalized least-squares fit.

Keynumber: 1982YOZY
Reference: NEANDC(J)-83/U, p.72 (1982)
Authors: T.Yoshinari, M.Igashira, N.Yamamuro
Title: Measurement of Neutron Capture Gamma-Ray Spectra with BGO Scintillator
Keyword abstract: NUCLEAR REACTIONS ^{197}Au,Pd(n,γ),E=3-80 keV; measured Eγ,Iγ following n-capture.

Keynumber: 1982MAYW
Reference: Program and Theses, Proc.32nd Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Kiev, p.541 (1982)
Authors: V.K.Maidanyuk, B.E.Leshchenko, V.L.Demechin, L.Ya.Grona
Title:
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=14.6 MeV; measured σ. ^{197}Au (n,2n),E=14.6 MeV; measured production σ for ^{196m}Au.

Keynumber: 1982KE04
Reference: Nucl.Instrum.Methods 195, 505 (1982)
Authors: S.A.Kerr, P.Hungerford, K.Schreckenbach
Title: Precise Intensity Measurement of Primary γ-Rays from the ^{197}Au(n(th),γ)^{198}Au Reaction
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured absolute Iγ.

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: 1981SHZN
Reference: NEANDC(J)-75/U, p.74 (1981)

Authors: H.Shirayanagi, T.Yoshinari, M.Igashira, N.Yamamuro
Title: Neutron Capture Gamma-Ray Spectrum for ^{133}Cs
Keyword abstract: NUCLEAR REACTIONS ^{133}Cs, ^{181}Ta, ^{197}Au(n,γ),E=1.5-75 keV; measured Eγ,Iγ. Liquid C_6D_6 scintillation counters.

Keynumber: 1981MA29
Reference: Nucl.Sci.Eng. 79, 265 (1981)
Authors: R.L.Macklin
Title: Gold Neutron Capture Cross Section from 100 to 2000 KeV
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=0.1-2 MeV; measured σ(E).

Keynumber: 1981CH35
Reference: Chin.J.Nucl.Phys. 3, 52 (1981)
Authors: Chen Ying, Zhu Shengyun, Luo Dexing, Jiang Songsheng
Title: Measurements of ^{197}Au Neutron Radiative Capture Cross Sections between 100-1500 keV
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=100-1500 keV; measured σ(E) absolute. Activation technique.

Keynumber: 1981ANZP
Reference: NEANDC(OR)-156/L, p.11 (1981)
Authors: P.Andersson, I.Bergqvist, R.Zorro
Title: Neutron Capture Measurements with the Activation Technique
Keyword abstract: NUCLEAR REACTIONS ^{115}In, ^{197}Au(n,γ),E=1-10 MeV; measured σ(E). Activation technique.

Keynumber: 1980YUZZ
Coden: JOUR BAPSA 25 542,EG2,Yun
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=0.1-1 MeV; measured σ.

Keynumber: 1980SHZI
Reference: NEANDC(J)-67/U, p.70 (1980)
Authors: H.Shirayanagi, T.Hayashi, M.Igashira, N.Yamamuro
Title: Measurement of Spectra of Gamma-rays from Capture of keV-Neutrons by ^{197}Au and ^{181}Ta
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{181}Ta(n,γ),E=1.5-75 keV; measured Eγ. Monte Carlo calculation.

Keynumber: 1980MA02
Reference: Phys.Scr. 21, 21 (1980)
Authors: G.Magnusson, P.Andersson, I.Bergqvist
Title: 14.7 MeV Neutron Capture Cross-Section Measurements with Activation Technique
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{55}Mn, ^{89}Y, ^{127}I, ^{138}Ba, ^{186}W, ^{197}Au(n,γ),E=14.7 MeV; measured σ. Activation technique.

Keynumber: 1980KOYP
Coden: CONF Kiev(Neutron Physics) Proc,Part2,P280,Kononov
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{238}U(n,γ),E=15-480 keV; measured σ(E).

Keynumber: 1980DA16

Reference: At.Energ. 48, 87 (1980); Sov.At.Energy 48 97 (1980)
Authors: A.N.Davletshin, S.V.Tikhonov, A.O.Tipunkov, V.A.Tolstikov
Title: Measurements of the Cross Sections for Radiative Capture of Neutrons by ^{238}U and ^{197}Au Relative to the Cross Section for the Elastic Scattering of Neutrons by Protons.
Keyword abstract: NUCLEAR REACTIONS ^{238}U, ^{197}Au(n,γ),E=597-1400 keV; measured σ(E).

Keynumber: 1979MAZF
Reference: NEANDC(OR)-152L, p.12 (1979)
Authors: G.Magnusson, P.Andersson, I.Bergqvist
Title: MeV Neutron Capture Cross Section Measurements with Activation Technique
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{89}Y, ^{127}I, ^{138}Ba, ^{186}W, ^{197}Au(n,γ),E=14-15 MeV; measured σ.

Keynumber: 1979MA17
Reference: Nucl.Sci.Eng. 69, 333 (1979)
Authors: W.Mannhart, W.G.Alberts
Title: Measurement and Calculation of Average Activation Cross Sections in the Spontaneous Fission Neutron Field of ^{252}Cf
Keyword abstract: NUCLEAR REACTIONS ^{113}, ^{115}In(n,n'), ^{115}In(n,γ), ^{197}Au(n,γ), (n,2n); [E from ^{252}Cf(SF)]; measured average σ. Compared with calculations. Folding method for neutron spectral distribution.

Keynumber: 1979JO10
Reference: Phys.Rev. C20, 2072 (1979)
Authors: S.Joly, D.M.Drake, L.Nilsson
Title: Gamma-Ray Strength Functions for ^{104}Rh, ^{170}Tm, and ^{198}Au
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{169}Tm, ^{197}Au(n,γ),E=0.5-3.0 MeV; measured σ (E,Eγ). ^{104}Rh, ^{170}Tm, ^{198}Au deduced γ-ray strength functions,Γγ.

Keynumber: 1979DR12
Reference: At.Energ. 46, 414 (1979); Sov.At.Energy 46, 473 (1979)
Authors: A.A.Druzhinin, N.G.Krylov, A.A.Lvov, Y.M.Odintsov, V.L.Sumatokhin
Title: Resonance Integral for Neutron Capture by ^{244}Pu
Keyword abstract: NUCLEAR REACTIONS ^{244}Pu, ^{197}Au(n,γ),E=fast; measured Eγ,Iγ,βγ-coin. ^{245}Pu deduced resonance integral relative to ^{198}Au.

Keynumber: 1979BR26
Reference: Z.Phys. A292, 397 (1979)
Authors: F.Braumandl, T.von Egidy, D.D.Warner
Title: Precision (n,γ)-Measurements of High Energy Transitions in the Nuclei ^{198}Au and ^{199}Au
Keyword abstract: NUCLEAR REACTIONS ^{197}, ^{198}Au(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. Pair spectrometer.

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: 1978WI03
Reference: Nucl.Sci.Eng. 66, 363 (1978)
Authors: K.Wisshak, F.Kappeler
Title: Neutron Capture Cross-Section Ratios of ^{240}Pu, ^{242}Pu, ^{238}U, and ^{197}Au In the Energy Range from 10 to 90 keV
Keyword abstract: NUCLEAR REACTIONS ^{240}, ^{242}Pu, ^{238}U, ^{197}Au(n,γ),E=10-90 keV; measured σ (E).

Keynumber: 1978SOZM
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P762,Soltanich
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured Eγ,Iγ. ^{198}Au deduced resonances.

Keynumber: 1978LIZG
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No45,Ligthart
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=th; measured CP(γ). ^{198}Au deduced levels,J,π,branching ratio. Polarized target.

Keynumber: 1978LIZA
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P665,Ligthart
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured γ-ray CP,γγ(θ,H). ^{198}Au deduced levels,J,π.

Keynumber: 1978LI22
Reference: Z.Phys. A288, 179 (1978)
Authors: H.J.Ligthart, H.Postma
Title: Spins of ^{198}Au Levels from the (n,γ) Reaction Using Polarized Neutrons and Polarized ^{197}Au Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(polarized n,γ),E=th; measured γ-ray CP. ^{197}Au (polarized n,γ),E=th; measured X-ray CP(θ) using polarized target. ^{198}Au levels deduced J,π.

Keynumber: 1978KOZN
Coden: REPT NEANDC(J)-56/U,Kobayashi
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); E not given; calculated σ. Evaporation model.

Keynumber: 1978JOZU
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No36,Joly
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{197}Au(n,γ),E=0.5-3.0 MeV; measured σ(Eγ). ^{170}Tm, ^{198}Au deduced γ-strength function.

Keynumber: 1978JOZR

Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P637,Joly
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{197}Au(n,γ),E=0.5-3.0 MeV; measured Eγ,Iγ. ^{170}Tm, ^{198}Au deduced γ-strength functions. Statistical model,spectrum fitting method.

Keynumber: 1977LIYJ
Coden: REPT NEANDC(E)-192U,Vol3,P47,Liskien
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ), ^{235}U(n,F); calculated fluctuations in σ due to level statistics. Monte-Carlo method.

Keynumber: 1977KO40
Reference: Yad.Fiz. 26, 947 (1977); Sov.J.Nucl.Phys. 26, 500 (1977)
Authors: V.N.Kononov, B.D.Yurlov, E.D.Poletaev, V.M.Timokhov
Title: Fast-Neutron Capture Cross Sections for Indium, Tantalum, Gold, Samarium, and Europium
Keyword abstract: NUCLEAR REACTIONS ^{115}In, ^{181}Ta, ^{197}Au,Sm, ^{147}, ^{149}Sm,Eu, ^{151}, ^{153}Eu (n,γ),E=5-350 keV; measured σ(E).

Keynumber: 1976SC16
Reference: Nucl.Phys. A264, 105 (1976)
Authors: O.Schwerer, M.Winkler-Rohatsch, H.Warhanek, G.Winkler
Title: Measurement of Cross Sections for 14 MeV Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{55}Mn, ^{71}Ga, ^{87}Rb, ^{89}Y, ^{127}I, ^{130}Te, ^{138}Ba, ^{139}La, ^{142}Ce, ^{186}W, ^{198}Pt, ^{197}Au(n,γ),E=14.6 MeV; measured σ. Natural targets.

Keynumber: 1975RIZW
Coden: JOUR BAPSA 20 173 IB18
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{238}U(n,γ),E=24.5 keV; measured σ(Eγ).

Keynumber: 1975RIZV
Coden: REPT ERDA/NDC-2, p40, Rimawi
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{197}Au, ^{238}U, ^{115}In(n,γ),E=24.3 keV; measured σ.

Keynumber: 1975POZX
Coden: REPT ERDA/NDC-2, p11, Poenitz
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{238}U(n,γ),E=fast; measured σ,relative σ.

Keynumber: 1975PO09
Reference: Nucl.Sci.Eng. 57, 300 (1975)
Authors: W.P.Poenitz
Title: Measurements of the Neutron Capture Cross Sections of Gold-197 and Uranium-238 between 20 and 3500 keV
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=400-3500 keV; ^{238}U(n,γ),E=20-1200 keV; measured σ(E,Eγ).

Keynumber: 1975PA15
Reference: Atomkernenergie 26, 80 (1975)
Authors: A.Paulsen, R.Widera, H.Liskien
Title: Au 197 (n,γ) Au 198 Cross-Section Measurements between 0.2 and 3.0 MeV
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=0.2-3.0 MeV; measured σ(E,Eγ).

Keynumber: 1975MI05
Reference: Z.Phys. A272, 175 (1975)
Authors: J.A.Mirza, K.E.G.Lobner, D.Breitig, H.A.Baader, H.R.Koch, O.W.B.Schult
Title: The Nuclear Structure of ^{198}Au from the Reaction ^{197}Au(n,γ)^{198}Au
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin,γγ(t). ^{198}Au deduced levels,J,π,$T_{1/2}$. Natural target,Ge(Li) detectors,bent crystal.

Keynumber: 1975MA14
Reference: Phys.Rev. C11, 1270 (1975)
Authors: R.L.Macklin, J.Halperin, R.R.Winters
Title: Gold Neutron-Capture Cross Section from 3 to 550 keV
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=3-550 keV; measured σ(E,Eγ). ^{198}Au deduced resonances,parameters,strength functions,spacings.

Keynumber: 1975JAYM
Coden: CONF Petten(Neutron Capture γ-Ray Spect),Proc P165
Keyword abstract: NUCLEAR REACTIONS ^{121}Sb, ^{127}I, ^{159}Tb, ^{197}Au(n,γ),E=1-800 eV; measured γ-spectra; deduced width correlations.

Keynumber: 1975FAZZ
Coden: JOUR BAPSA 20 145 DB7
Keyword abstract: NUCLEAR REACTIONS ^{235}, ^{238}U, ^{239}Pu, ^{237}Np(n,F), ^{197}Au(n,γ), ^{115}In (n,n'),E=thermal; measured relative σ.

Keynumber: 1975ARZX
Coden: JOUR BAPSA 20 139 BB17
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{197}Au(n,γ); measured σ. ^{170}Tm, ^{198}Au resonances deduced J,level-width.

Keynumber: 1974THZY
Reference: Bull.Amer.Phys.Soc. 19, No.1, 111, KI14 (1974)
Authors: G.E.Thomas, G.D.Loper, L.M.Bollinger
Title: Absolute γ-ray Intensities in ^{197}Au(n,γ)^{198}Au
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); measured Eγ,Iγ. ^{198}Au deduced resonances.

Keynumber: 1974SI11
Reference: Ann.Phys.(New York) 83, 355 (1974)
Authors: K.Siddappa, M.S.Murty, J.R.Rao
Title: Neutron Strength Functions of Nuclei in the Deformed Region
Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, ^{140}, ^{142}Ce, ^{146}, ^{148}Nd, ^{152}, ^{154}Sm, ^{158}, ^{160}Gd, ^{159}Tb, ^{169}Tm, ^{170}Er, ^{174}, ^{176}Yb, ^{180}Hf, ^{181}Ta, ^{186}W, ^{190}, ^{192}Os, ^{197}Au, ^{202}Hg(n,γ),E=18-28 keV; measured σ; deduced p-wave strength functions.
Reference: Can.J.Phys. 52, 1160 (1974)
Authors: B.Singh, M.W.Johns
Title: Spin Determinations in Low Lying States of ^{151}Sm
Keyword abstract: RADIOACTIVITY ^{151}Pm; measured γγ(θ),Iγ. ^{151}Sm levels deduced J,π,γ-

mixing,λ.

Keynumber: 1974MAYN
Coden: REPT ORNL-4937 P182
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=3-550 keV; measured σ(E).

Keynumber: 1974MAXY
Coden: REPT USNDC-11 P196
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=3-550 keV; measured σ(E,Eγ). ^{198}Au deduced resonances.

Keynumber: 1974LO16
Reference: Nucl.Instrum.Methods 121, 581 (1974)
Authors: G.D.Loper, G.E.Thomas, L.M.Bollinger
Title: Correction for a Resonance-Capture Component in Thermal-Neutron-Capture Gamma-Ray Spectra
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured Eγ,Iγ.

Keynumber: 1974JAZJ
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P41
Keyword abstract: NUCLEAR REACTIONS ^{121}Sb, ^{127}I, ^{159}Tb, ^{197}Au(n,γ)E=1-800 eV; measured σ (E,Eγ),analyzed data for non-statistical effects. ^{160}Tb deduced intermediate structure.

Keynumber: 1974JA14
Reference: Nucl.Phys. A223, 509 (1974)
Authors: A.P.Jain, B.Cauvin, A.Lottin
Title: Width Correlations and Intermediate Structure in the n-γ Spectra of Au, Sb, I and Tb
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{121}Sb, ^{127}I, ^{159}Tb(n,γ),E=0-600 eV; measured ratio of high,low energy γ-rays. ^{122}Sb, ^{128}I, ^{160}Tb, ^{198}Au deduced resonances J,π,level-width,width correlations, intermediate structure.

Keynumber: 1974GAZJ
Coden: JOUR BAPSA 19 1017 DC10
Keyword abstract: NUCLEAR REACTIONS ^{181}Ta, ^{197}Au(n,γ); calculated σ(Eγ).

Keynumber: 1974FR14
Reference: Ann.Nucl.Sci.Eng. 1, 519 (1974)
Authors: F.H.Frohner
Title: Interpretation of Gold Shell Transmission Data Measured with 24 keV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=24 MeV; measured σ.

Keynumber: 1974FOYR
Coden: CONF Vienna(Neutron Standard Ref Data),P239
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=75-500 keV; measured σ(E,Eγ),pγ-coin.

Keynumber: 1974EAZP
Coden: REPT AECL-4931 P48
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=1.19,1.5,2.0,2.52 MeV; measured σ(E,Eγ).

Keynumber: 1974DEXL
Coden: CONF Vienna(Charged-Particle-Induced Rad Capture),Proc P235
Keyword abstract: NUCLEAR REACTIONS ^{209}Bi, ^{42}, ^{43}, ^{48}Ca,Ag,Ta,In,Au, ^{139}La, ^{142}Ce(p,γ), ^{103}Rh, ^{197}Au, ^{105}Pd(n,γ), ^{48}Ca(p,n); analyzed σ in statistical model formalism.

Keynumber: 1974CO23
Reference: Nucl.Instrum.Methods 116, 251 (1974)
Authors: A.H.Colenbrander, T.J.Kennett
Title: The Application of a Statistical Description for Complex Spectra to the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{45}Sc, ^{55}Mn, ^{59}Co, ^{63}Cu, ^{75}As, ^{103}Rh, ^{109}Ag, ^{115}In, ^{133}Cs, ^{185}Re, ^{197}Au, ^{203}Tl(n,γ); measured Eγ,Iγ. ^{28}Al, ^{46}Sc, ^{56}Mn, ^{60}Co, ^{64}Cu, ^{76}As, ^{104}Rh, ^{110}Ag, ^{116}In, ^{134}Cs, ^{186}Re, ^{198}Au, ^{204}Tl deduced nuclear temperature,level densities.

Keynumber: 1973THZO
Coden: REPT ANL-8035 P8
Keyword abstract: NUCLEAR REACTIONS ^{181}Ta, ^{197}Au(n,γ); measured Eγ,Iγ.

Keynumber: 1973SI45
Reference: Nuovo Cim. 18A, 48 (1973)
Authors: K.Siddappa, M.Sriramachandra Murty, J.Rama Rao
Title: Neutron Activation Cross-Sections in Rare Earths and Heavier Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, ^{140}, ^{142}Ce, ^{146}, ^{148}Nd, ^{160}Gd, ^{165}Ho, ^{180}Hf, ^{181}Ta, ^{190}Os, ^{197}Au, ^{202}Hg(n,γ),E=23 keV; measured σ.

Keynumber: 1973SCXT
Coden: REPT HEDL-TME-73-79,F Schmittroth
Keyword abstract: NUCLEAR REACTIONS ^{63}, ^{65}Cu, ^{75}As, ^{79}Br, ^{107}Ag, ^{115}In, ^{71}Ga, ^{103}Rh, ^{127}I, ^{165}Ho, ^{193}Ir, ^{197}Au(n,γ); calculated σ(E).

Keynumber: 1973PE10
Reference: Acta Phys. 33, 363 (1973)
Authors: G.Peto, J.Csikai, G.M.Shuriet, I.Jozsa, V.Asztalos
Title: Average Cross Sections for Pu-α-Be Neutrons; Low-Energy Neutrons from α-n Sources
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{28}Si, ^{31}P(n,p), ^{77}Se, ^{79}Br, ^{87}Sr, ^{89}Y, ^{111}Cd, ^{115}In, ^{135}, ^{137}Ba, ^{197}Au, ^{199}Hg, ^{204}Pb(n,n'γ), ^{76}Se, ^{79}Br, ^{86}Sr, ^{110}Cd, ^{115}In, ^{127}I, ^{134}, ^{136}Ba, ^{197}Au, ^{198}Hg (n,γ), E <2 MeV; measured σ.

Keynumber: 1973MIZP
Coden: CONF Munich(Nucl Phys),Vol1 P234
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); measured Eγ,γγ-coin. ^{198}Au deduced levels.

Keynumber: 1973LOZN
Coden: REPT EANDC(E)-157/U Vol2 P10
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); measured Eγ. ^{198}Au deduced resonances.

Keynumber: 1973LO11
Reference: J.Phys.(Paris) 34, 123 (1973)

Authors: A.Lottin, A.Jain
Title: Etude des Spectres de Rayons γ Emis dans les Resonances de l'Or Apres Capture Neutronique
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=40-400 eV; measured Eγ,Iγ. ^{198}Au deduced levels,J,π.

Keynumber: 1973LEYD
Coden: REPT CEA-N-1662
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=75-550 keV; measured σ.

Keynumber: 1973JAYX
Coden: REPT EANDC(E)-157/U Vol2 P11
Keyword abstract: NUCLEAR REACTIONS ^{121}Sb, ^{127}I, ^{159}Tb, ^{197}Au(n,γ); measured Eγ. ^{122}Sb, ^{128}I, ^{160}Tb, ^{198}Au deduced resonances.

Keynumber: 1973HOYS
Coden: REPT INER-62-B-0109
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); measured Eγ. ^{198}Au deduced transitions.

Keynumber: 1973HAZZ
Coden: JOUR BAPSA 18 96,G Hacken,1/15/73
Keyword abstract: NUCLEAR REACTIONS ^{140}Ce, ^{181}Ta, ^{197}Au(n,X), (n,γ); measured transmission. ^{141}Ce, ^{198}Au, ^{182}Ta deduced resonance parameters.

Keynumber: 1973GWZZ
Coden: REPT ORNL-4902 Vol2 P6
Keyword abstract: NUCLEAR REACTIONS ^{239}Pu, ^{235}U(n,γ), (n,F), ^{197}Au(n,γ), ^{233}U(n,F); measured σ(E).

Keynumber: 1973FOYR
Coden: REPT EANDC(E)-157/U Vol2 P29
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); measured Eγ. ^{198}Au deduced levels.

Keynumber: 1973EAZX
Coden: REPT KDK-2 P35
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); measured σ(Eγ).

Keynumber: 1973CZZX
Coden: REPT USNDC-7 P112
Keyword abstract: NUCLEAR REACTIONS ^{165}Ho, ^{197}Au(n,γ); measured σ(E;Eγ). ^{166}Ho, ^{198}Au deduced transitions.

Keynumber: 1973CZ01
Reference: Nucl.Sci.Eng. 52, 299 (1973)
Authors: J.B.Czirr, M.L.Stelts
Title: Measurement of the Neutron Capture Cross Section of Holmium-165 and Gold-197
Keyword abstract: NUCLEAR REACTIONS ^{165}Ho, ^{197}Au(n,γ),E=.167-600 keV; measured σ(E).

Keynumber: 1973ARZZ

Coden: JOUR BAPSA 18 96,J Arbo,1/15/73
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{169}Tm, ^{197}Au(n,γ); measured σ(E;Eγ). ^{104}Rh, ^{170}Tm, ^{198}Au deduced resonance parameters.

Keynumber: 1972THZW
Reference: Bull.Amer.Phys.Soc. 17, No.4, 580, JF5 (1972)
Authors: G.E.Thomas, G.D.Loper, L.M.Bollinger
Title: Absolute Intensities of Thermal-Neutron Capture γ-Rays
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured Iγ. ^{198}Au deduced transition strengths.

Keynumber: 1972STZB
Coden: REPT INDC(CCP)-31/U P7
Keyword abstract: NUCLEAR REACTIONS Ag, ^{197}Au, ^{232}Th, ^{238}U(n,γ),E <50 keV; measured σ(E).

Keynumber: 1972SCYT
Coden: CONF Teddington(Atomic Masses, Fund Constants),P123
Keyword abstract: NUCLEAR REACTIONS ^{107}, ^{109}Ag, ^{139}La, ^{150}Sm, ^{151}, ^{152}Eu, ^{155}, ^{157}Gd, ^{159}Tb, ^{168}, ^{171}, ^{174}Yb, ^{178}Hf, ^{181}, ^{182}Ta, ^{197}, ^{198}Au, ^{199}Hg, ^{232}Th(n,γ); measured Eγ. ^{108}, ^{110}Ag, ^{140}La, ^{151}Sm, ^{152}, ^{153}Eu, ^{156}, ^{158}Gd, ^{160}Tb, ^{169}, ^{172}, ^{175}Yb, ^{179}Hg, ^{182}, ^{183}Ta, ^{198}, ^{199}Au, ^{200}Hg, ^{233}Th deduced transitions.

Keynumber: 1972LOZV
Coden: JOUR BAPSA 17 580,G D Loper,4/17/72
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal,resonance; measured Iγ; observed no anomalous bump.

Keynumber: 1972JAYU
Coden: REPT CEA-N-1600 P214
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ); measured σ(E). ^{198}Au resonances deduced J,π.

Keynumber: 1972JA27
Reference: Phys.Lett. 42B, 419 (1972)
Authors: A.P.Jain
Title: Search for a Pygmy Resonance in Resonant n-γ Spectra of ^{197}Au
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=0.025-800 eV; measured σ(E;Eγ); deduced no pygmy resonance.

Keynumber: 1971VAZN
Coden: REPT BNL-50298,P106,10/21/71
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=10-5400 keV; measured σ(E).

Keynumber: 1971ST43
Reference: At.Energ. 31, 107 (1971); Sov.At.Energy 31, 814 (1972)
Authors: Y.Y.Stavisskii, V.A.Tolstikov, V.B.Chelnokov, A.E.Samsonov, A.A.Bergman
Title: Neutron Radiative Capture Cross Sections in Silver, Au^{197}, Th^{232}, and U^{238}
Keyword abstract: NUCLEAR REACTIONS Ag, ^{197}Au, ^{232}Th, ^{238}U(n,γ),E <50 keV; measured σ(E).

Keynumber: 1971PA43
Reference: J.Nucl.Energy 25, 457 (1971)
Authors: H.Pauw, A.H.W.Aten, Jr.
Title: Remarks on the ^{252}Cf Spectrum
Keyword abstract: NUCLEAR REACTIONS ^{115}In(n,γ), (n,n'), ^{197}Au(n,γ), (n,2n), ^{238}U, ^{237}Np, ^{239}Pu (n,F),E= ^{252}Cf fission spectrum; measured σ.

Keynumber: 1971NAZW
Reference: Proc.3rd Intern.Conf.Neutron Cross Sections and Technology, Knoxville, Vol.1, p.259 (1971)
Authors: R.J.Nagle, J.H.Landrum, M.Lindner
Title: Neutron Capture Cross Sections in the MeV Range
Keyword abstract: NUCLEAR REACTIONS ^{114}Cd, ^{181}Ta, ^{186}W, ^{185}, ^{187}Re, ^{191}, ^{193}Ir, ^{197}Au, ^{232}Th, ^{237}Np, ^{238}U(n,γ),E=0.1-3 MeV; measured σ(E).

Keynumber: 1971LIZT
Coden: THESIS,Virginia Polytechnic Inst,DABBB 32B 2932,J G Lindsay,12/16/71
Keyword abstract: NUCLEAR REACTIONS ^{107}, ^{109}Ag, ^{197}Au, ^{160}Gd(n,X), (n,γ),E <100 keV; measured σ(E). ^{108}, ^{110}Ag, ^{198}Au, ^{161}Gd deduced resonances, strength functions.

Keynumber: 1971KAZE
Coden: REPT NCSAC-42,P57,5/19/72
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal,4.906 eV; measured Eγ,Iγ. ^{198}Au deduced transitions.

Keynumber: 1971GU28
Reference: Indian J.Phys. 45, 88 (1971)
Authors: H.V.Gupta, A.K.Chaubey, M.L.Sehgal
Title: Test of Statistical Theory of Nuclear Reactions in the Charge Range from 200 keV to 800 keV
Keyword abstract: NUCLEAR REACTIONS ^{75}As, ^{79}Br, ^{115}In, ^{197}Au(n,γ),E=0.2-0.8 MeV; calculated σ(E). Statistical theory.

Keynumber: 1971CHXQ
Coden: REPT FEI-292,2/14/73
Keyword abstract: NUCLEAR REACTIONS ^{107}, ^{109}Ag, ^{197}Au, ^{232}Th, ^{238}U, ^{235}U, ^{239}Pu(n,γ), ^{235}U, ^{239}Pu(n,F),E <100 keV; measured σ(E),α(E).

Keynumber: 1971BRYT
Coden: REPT RISO-M-1308,H Breitag,4/17/72
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{174}Yb(n,γ),E=thermal; measured Eγ,Iγ. ^{175}Yb, ^{198}Au deduced levels,γ-branching,configurations.

Keynumber: 1971BRXU
Coden: REPT RISO-M-1308,9/9/71
Keyword abstract: NUCLEAR REACTIONS ^{174}Yb(n,γ), ^{197}Au(n,γ); measured Eγ,Iγ. ^{175}Yb, ^{198}Au deduced levels,J,π,γ-branching.

Keynumber: 1971BR57
Reference: Acta Phys.Pol. B2, 489 (1971)
Authors: J.S.Brzosko, E.Gierlik, A.Soltan, Jr., Z.Szeflinski, Z.Wilhelmi
Title: Measurement of γ-Ray Spectra Accompanying Radiative Capture of Nucleons
Keyword abstract: NUCLEAR REACTIONS ^{115}In,Sb, ^{127}I, ^{133}Cs, ^{159}Tb, ^{165}Ho, ^{181}Ta, ^{197}Au,Tl, ^{238}U(n,γ),E approx 400 keV; measured σ(Eγ). ^{115}In, ^{181}Ta, ^{197}Au(n,γ),E=0.03-1.4 MeV; measured σ (E;Eγ). ^{115}In,Ag, ^{181}Ta, ^{197}Au(p,γ),E approx 4 MeV; measured σ(Eγ).

Keynumber: 1970LO05
Reference: Z.Phys. 235, 254 (1970)
Authors: K.E.G.Lobner, J.Klockner, H.Schimmer, P.Kienle
Title: Level Scheme of ^{198}Au from γ-γ-Coincidence Measurements
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ), E=thermal; measured γγ-coin,γγ-delay,Eγ,Iγ. ^{198}Au deduced levels,J,π,γ-multipolarity, $T_{1/2}$.

Keynumber: 1970KL13
Reference: Verh.Deut.Phys.Ges. 6, 530 (1970)
Authors: J.Klockner, K.E.G.Lobner
Title: Lebensdauer-, g-Faktor- und Koinzidenzmessungen in ^{198}Au
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ), measured γγ-coin,γγ-delay,γγ(θ,H,t). ^{198}Au level deduced $T_{1/2}$,g,configuration.

Keynumber: 1970GUZU
Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P33
Keyword abstract: NUCLEAR REACTIONS ^{75}As, ^{79}Br, ^{115}In, ^{197}Au(n,γ),E=200-800 keV; calculated σ(E).

Keynumber: 1970BU04
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 34, 89 (1970); Bull.Acad.Sci.USSR, Phys.Ser. 34, 85 (1971)
Authors: N.A.Burgov, G.V.Danilyan, I.Z.Efimov, O.D.Kazachkovskii, V.S.Pavlov
Title: Spectra of γ Rays from Capture of Resonance Neutrons by Rh, Ta and Au Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{181}Ta, ^{197}Au(n,γ),E=epithermal; measured σ(Eγ). ^{104}Rh, ^{182}Ta, ^{198}Au resonances deduced average γ-width;levels deduced J,π.

Keynumber: 1969SA10
Reference: Nucl.Phys. A130, 353 (1969)
Authors: C.Samour, R.N.Alves, J.Julien, J.Morgenstern
Title: Capture Radiative Partielle des Neutrons de Resonance dans l'Or et le Cobalt
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ), ^{59}Co(n,γ), E=3-300 eV, thermal; measured σ (E;Eγ), gamma(γi), direct capture cross section. ^{198}Au, ^{60}Co deduced level, J. Ge(Li) detector; natural target.

Keynumber: 1969RO38
Reference: J.Nucl.Energy 23, 205 (1969)
Authors: J.C.Robertson, T.B.Ryves, E.J.Axton, I.Goodier, A.Williams
Title: A Measurement of the Radiative Capture Cross Section of Gold at an Energy of 966 keV
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=966 keV; measured σ.

Keynumber: 1969BR34
Reference: Can.J.Phys. 47, 2849 (1969)
Authors: J.S.Brzosko, E.Gierlik, A.Soltan,Jr., Z.Wilhelmi
Title: Effect of the Pigmy Resonance on the Calculations of the Neutron Capture Cross Section
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{127}I, ^{181}Ta, ^{197}Au(n,γ),E <6 keV; calculated σ(E;Eγ); analyzed pigmy resonance effects.

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: 1968BRZW
Coden: REPT INR-P-967,J Brzosko
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{127}I, ^{181}Ta, ^{197}Au(n,γ); calculated σ(E). ^{104}Rh, ^{128}I, ^{182}Ta, ^{198}Au deduced level spacing,level-width,pigmy resonance effects.

Keynumber: 1967WE02
Reference: Nucl.Phys. A92, 696 (1967)
Authors: K.J.Wetzel, C.K.Bockelman, O.A.Wasson
Title: Gamma Rays from Thermal and Resonance Neutron Capture in Gold
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ), E = thermal, 4.9 eV; measured Eγ, Iγ. ^{198}Au deduced levels. Ge(Li) detector.

Keynumber: 1967RA24
Reference: Proc.Intern.Conf.Atomic Masses, 3rd, Winnipeg, Canada, R.C.Barber, Ed., Univ.Manitoba Press, p.278(1967)
Authors: N.C.Rasmussen, V.J.Orphan, Y.Hukai
Title: Determination of (n,γ) Reaction Q Values from Capture γ-Ray Spectra
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: 1966PO15
Reference: J.Nucl.Energy, Pt.A/B 20, 825 (1966)
Authors: W.Ponitz
Title: The (n,γ) Cross Section of ^{197}Au at 30 and 64 keV Neutron Energy
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=30,64 keV; measured σ(E;Eγ).

Keynumber: 1966JU01
Reference: Nucl.Phys. 76, 391(1966)
Authors: J.Julien, S.De Barros, G.Bianchi, C.Corge, V.D.Huynh, G.Le Poittevin, J.Morgenstern,

F.Netter, C.Samour, R.Vastel
Title: Determination du Spin et des Parametres des Resonances pour ^{197}Au+n de 10 eV a 1000 eV
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ), E = 10-1000 eV; measured σ(ns), σ(nγ). ^{198}Au deduced resonances, resonance parameters, J.

Keynumber: 1966JO05
Reference: Nucl.Phys. 84, 113 (1966)
Authors: L.V.Johnson, L.B.Hughes, T.J.Kennett, W.V.Prestwich
Title: A Study of the ^{197}Au(n,γ)^{198}Au Reaction
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal; measured Eγ,Iγ. ^{198}Au deduced levels,Q.

Keynumber: 1965WE07
Reference: Thesis, Yale University (1965)
Authors: K.J.Wetzel
Title: Investigation of the Neutron Capture Mechanism in Gold
Keyword abstract: NUCLEAR REACTIONS ^{197}Au(n,γ),E=thermal, resonance; measured Eγ,Iγ; deduced reaction mechanism. Ge(Li) detector. K.J.Wetzel,Thesis,YaleUniv.

Keynumber: 1965LU04
Reference: Nucl.Phys. 67, 321(1965)
Authors: B.Lundberg, N.Starfelt
Title: γ-Rays from the Capture in Ta and Au of Neutrons from 1 to 4 MeV
Keyword abstract: NUCLEAR REACTIONS ^{181}Ta, ^{197}Au(n,γ), E = 1-4 MeV; measured σ(Eγ); deduced γ-ray strength functions.
