Visit the Isotope Explorer home page!

79 reference(s) found :

Keynumber: 2001BO30
Reference: Nucl.Phys. A688, 493c (2001)
Authors: I.N.Borzov, A.V.Avdeenkov, B.Grun, H.Oberhummer
Title: Direct Neutron Capture in a Microscopic Model
Keyword abstract: NUCLEAR REACTIONS ^{124}, ^{132}Sn, ^{208}, ^{232}Pb(n,γ),E=30 keV; calculated non-resonant direct capture σ. Green's function formalism, comparison with other calculations and with data.

Keynumber: 2001BE15
Reference: Nucl.Phys. A686, 204 (2001)
Authors: E.Betak, F.Cvelbar, A.Likar, T.Vidmar
Title: Model Calculations of the Radiative Capture Process and the Brink-Axel Hypothesis
Keyword abstract: NUCLEAR REACTIONS ^{140}Ce, ^{208}Pb(n,γ),E=4-18 MeV; calculated σ (E),excitation functions. Consistent direct-semidirect and preequilibrium exciton models. Comparisons with data.

Keynumber: 2000ROZW
Reference: Proc.Intern.Symposium on Quasiparticle and Phonon Excitations in Nuclei (Soloviev 99), Riken, Japan, 4-7 December 1999, N.D.Dang, A.Arima, Editors, World Scientific, Singapore, p.211 (2000)
Authors: V.A.Rodin, M.H.Urin
Title: On the Neutron Radiative Capture in the Vicinity of the Giant Dipole Resonance
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=4-18 MeV; calculated σ(E) near GDR energy. Semimicroscopical approach,comparisons with data.

Keynumber: 2000RO12
Reference: Phys.Lett. 480B, 45 (2000)
Authors: V.A.Rodin, M.H.Urin
Title: On the Neutron Radiative Capture in the Vicinity of the Giant Dipole Resonance
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=5-18 MeV; calculated capture σ,σ(E,θ) near GDR. Semimicroscopical approach,comparisons with data.

Keynumber: 1999CV01
Reference: Nucl.Phys. A645, 262 (1999)
Authors: F.Cvelbar, A.Likar, T.Vidmar
Title: Angular Distribution Effect on the Integrated Cross Section for Radiative Capture of 14 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{28}Si, ^{89}Y, ^{208}Pb(n,γ),E=14 MeV; calculated Iγ (θ),Legendre coefficient a_2. Consistent direct-semidirect model. Comparisons with data.

Keynumber: 1999BLZY
Reference: ORNL-6957,Physics Division Progress Report 1998,RIB009 (1999)
Authors: J.C.Blackmon, J.K.Dickens, R.M.Lindstrom, R.L.Paul
Title: Measurement of the ^{208}Pb(n,γ)^{209}Pb Reaction Near Thermal Neutron Energies
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E ≈ thermal; measured Eγ,Iγ,capture σ.

Keynumber: 1998LI26
Reference: Nucl.Phys. A637, 365 (1998)
Authors: A.Likar, T.Vidmar
Title: Integrated Cross Sections in Fast Neutron Capture in Medium Weight and Heavy Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{208}Pb(n,γ),E=4-20 MeV; calculated σ(θ=90°). ^{89}Y,Ba(n,γ),E=14 MeV; calculated σ(Eγ). Consistent direct-semi-direct capture model,capture systematics for A=20-240 discussed. Comparison with data.

Keynumber: 1997LI03
Reference: Nucl.Phys. A615, 18 (1997)
Authors: A.Likar, T.Vidmar
Title: Neutron Optical Potential from Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{89}Y, ^{140}Ce, ^{208}Pb(n,γ),E ≈ resonance; analyzed capture σ(θ),σ(E); deduced model parameter dependence. Direct-semidirect model,optical model.

Keynumber: 1997BEZZ
Reference: Proc.9th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Budapest, Hungary, October 1996, G.L.Molnar, T.Belgya, Zs.Revay, Eds., Vol.1, p.424 (1997)
Authors: E.Betak, F.Cvelbar, M.Hocevar, A.Likar, T.Vidmar
Title: Excitation Functions of Pre-Equilibrium Discrete Gamma Transitions Populated in Nucleon Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=6-20 MeV; calculated σ for population of discrete states. Comparison with data. Direct-semi-direct,pre-equilibrium spin-independent calculations compared.

Keynumber: 1997BE37
Reference: Astrophys.J. 474, 843 (1997)
Authors: H.Beer, F.Corvi, P.Mutti
Title: Neutron Capture of the Bottleneck Isotopes ^{138}Ba and ^{208}Pb,s-Process Studies, and the r-Process Abundance Distribution
Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, ^{208}Pb(n,γ),E<00 keV; measured neutron capture σ; deduced resonance parameters. Tof,pulsed beam. Astrophysical s-,r-process implications.

Keynumber: 1996LI04
Reference: Nucl.Phys. A598, 235 (1996)
Authors: A.Likar
Title: Nuclear Dicke States and the Direct-Semdirect Model
Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{208}Pb(n,γ),E ≤ 20 MeV; analyzed capture σ(θ) vs E; deduced nuclear Dicke state role. Modified direct semidirect model.

Keynumber: 1996AV07
Reference: Bull.Rus.Acad.Sci.Phys. 60, 1716 (1996)
Authors: A.V.Avdeenkov, S.P.Kamerdzhiev
Title: On Application of the Optical Potential Theory to Calculation of Nucleon-Nucleus Cross Sections
Keyword abstract: NUCLEAR REACTIONS ^{120}Sn, ^{208}Pb(n,γ)E=0-4 MeV; calculated optical potentials,s-wave absorption σ. Green function potential,particle+phonon states.

Keynumber: 1995LI31
Reference: Nucl.Phys. A591, 458 (1995)

Authors: A.Likar, T.Vidmar
Title: Fast Neutron Capture Through a Consistent Version of the Direct-Semidirect Model
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb, ^{12}C(n,γ),E ≈ 6-20 MeV; ^{40}Ca(n,γ),E ≈ 5-45 MeV; ^{140}Ce, ^{89}Y(n,γ),E ≈ 1-20 MeV; calculated capture σ(θ) vs E. Direct-semidirect model,new version.

Keynumber: 1995CV01
Reference: J.Phys.(London) G21, 377 (1995)
Authors: F.Cvelbar, E.Betak, A.Likar
Title: Pre-Equilibrium and Direct-Semi-Direct Model Calculations of Nucleon Radiative Capture Excitation Functions on Heavy Nuclei
Keyword abstract: NUCLEAR REACTIONS,ICPND ^{142}Ce, ^{176}Yb, ^{208}Pb, ^{130}Te(p,γ), ^{89}Y, ^{208}Pb, ^{140}Ce(n,γ),E ≈ 4-24 MeV; analyzed σ(E). Preequilibrium,direct-semi-direct models,radiative capture.

Keynumber: 1992LI18
Reference: Chin.J.Nucl.Phys. 14, No 2, 127 (1992)
Authors: J.Liu, X.Zhang
Title: Fast Neutron Radiative Capture Cross Sections of ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=3-15 MeV; calculated radiative capture σ (E). Statistical theory,preequilibrium correction.

Keynumber: 1991ZH22
Reference: Chin.J.Nucl.Phys. 13, No 2, 139 (1991)
Authors: Z.Zhao, D.Zhou
Title: Systematics of Excitation Functions for (n,γ) Reaction Above 4 MeV
Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{89}Y, ^{140}Ce, ^{165}Ho, ^{208}Pb(n,γ),E ≈ 0.5-20 MeV; calculated σ(E). Statistical theory,exciton model.

Keynumber: **1991YU01**
Reference: Phys.Rev. C43, 2765 (1991)
Authors: Z.-S.Yuan, Y.-K.Ho
Title: Unified Formalism to Study Nonstatistical Effects in Radiative Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{89}Y, ^{208}Pb, ^{27}Al(n,γ),E <20 MeV; calculated capture σ(E). Unified formalism,nonstatistical effects.

Keynumber: 1990GU15
Reference: Nucl.Phys. A516, 41 (1990)
Authors: R.Guidotti, F.Saporetti, G.Maino, A.Ventura
Title: Microscopic Approach to M1 Radiative Capture of Nucleons
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E ≈ 2-6 MeV; calculated σ(θ) difference vs E. Microscopic model.

Keynumber: 1989CV01
Reference: Z.Phys. A332, 163 (1989)
Authors: F.Cvelbar, E.Betak
Title: Exciton Model Comparison of the Activation and the Integrated 14 MeV Neutron Radiative Capture Cross Sections
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{51}V, ^{45}Sc, ^{55}Mn, ^{127}I, ^{141}Pr, ^{208}Pb, ^{209}Bi (n,γ),E=14.1 MeV; calculated σ(E(γ)). Exciton model.

Keynumber: 1989BE45
Reference: Nucl.Instrum.Methods Phys.Res. A284, 77 (1989)
Authors: A.G.Beda, S.I.Burov, L.N.Bondarenko, G.V.Danilyan, P.Geltenbort, F.Gonnenwein, V.L.Kuznetsov, A.N.Martemyanov, Yu.A.Mostovoy, K.Schreckenbach
Title: Investigation of the P-Odd Asymmetry in the Resonance Scattering of Neutron Capture Gamma-Rays
Keyword abstract: NUCLEAR REACTIONS ^{112}Cd, ^{118}Sn, ^{139}La, ^{141}Pr, ^{142}Nd, ^{205}Tl, ^{208}Pb (polarized n,γ),E=reactor; measured Eγ,γ CP; deduced parity nonconserving asymmetry limits.

Keynumber: 1988GU02
Reference: Nucl.Phys. A480, 253 (1988)
Authors: R.Guidotti, F.Saporetti, G.Maino, A.Ventura
Title: Microscopic Effects of the Particle-Vibration Coupling on the Photon Emission in Nucleon Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E ≈ 6-16 MeV; calculated σ(θ),asymmetry coefficients,photon emission probability vs E. Microscopic particle-vibration coupling.

Keynumber: 1983DRZY
Reference: Tandem Accelerator Lab, Uppsala, 1982 Biennial, p.47 (1983)
Authors: D.M.Drake, K.Aniol, I.Halpern, D.Storm, J.Faucett, S.Joly, L.Nilsson, S.Wender
Title: The ^{208}Pb(n,γ)^{209}Pb Reaction in the Region of the Isovector Quadrupole Resonance
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=10-20 MeV; analyzed γ-anisotropy data. ^{209}Pb deduced isovector GQR.

Keynumber: 1982KI05
Reference: Nucl.Phys. A384, 129 (1982)
Authors: S.E.King, M.Potokar, N.R.Roberson, H.R.Weller, D.R.Tilley
Title: Neutron Capture in the Giant Resonance Region of ^{209}Pb
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=7-13 MeV; measured σ(θ). ^{209}Pb levels deduced dipole EWSR in GDR region. Direct-semidirect,pure resonance model calculations.

Keynumber: 1982JO01
Reference: Nucl.Phys. A382, 71 (1982)
Authors: S.Joly, G.Grenier, D.M.Drake, I.Bergqvist, D.K.McDaniels, A.Lindholm, L.Nilsson, N.Olsson, A.Waheed, R.Zorro, F.Rigaud
Title: Study of the ^{208}Pb(n,γ_0)^{209}Pb Reaction between 0.8 and 7.7 MeV
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=0.8-7.7 MeV; measured σ(E,θ). Compound nucleus,direct-semidirect model analyses.

Keynumber: 1982BEZI
Reference: NEANDC(OR)-157/U, p.27 (1982)
Authors: I.Bergqvist, R.Zorro, N.Olsson, A.Lindholm, L.Nilsson, M.S.Saleem
Title: Nucleon Capture Reactions in the Giant Multipole Resonance Region
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=0.6-8 MeV; measured σ(E),asymmetry. Compound nucleus,direct-semidirect models.

Keynumber: 1982ANZR

Reference: NEANDC(E)-232-L, p.70 (1982)
Authors: K.Aniol, D.Drake, I.Halpern, S.Joly, L.Nilsson, D.Storm, S.Wender
Title: The E2 Isovector Giant Resonance as Seen Through the ^{208}Pb(n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=18-20 MeV; measured σ(θ) ratio. ^{209}Pb deduced isovector GQR role. Direct capture,particle-rotor model analysis.

Keynumber: 1981SA19
Reference: Phys.Lett. 102B, 81 (1981)
Authors: F.Saporetti, R.Guidotti
Title: On the Study of the M1 Resonance in the ^{208}Pb(n,γ)Reaction
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E not given; calculated Iγ(E,θ). Direct-semidirect model,E1,E2,M1 admixture.

Keynumber: 1981MA36
Reference: Chin.J.Nucl.Phys. 3, 217 (1981)
Authors: Ma Zhongyu, Sun Ziyang, Zhang Jingshang, Zhuo Yizhong, Ding Dazhao
Title: Pre-Equilibrium Exciton-Phonon Coupling Model for (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{238}U, ^{56}Fe, ^{208}Pb(n,γ),E=5-19 MeV; calculated σ(E). Preequilibrium exciton-phonon coupling model.

Keynumber: 1981LIZU
Reference: Tandem Accelerator Lab, Uppsala, Ann.Rept., p.40 (1981)
Authors: A.Lindholm, L.Nilsson, A.Waheed, I.Bergqvist, N.Olsson, R.Zorro, D.K.McDaniels, D.M.Drake, S.Joly
Title: The Region of the Isoscalar Quadrupole Resonance
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=0.8-7.7 MeV; measured σ(θ,E),Iγ(θ) ratio. Direct semi-direct model.

Keynumber: 1981DRZX
Reference: LA-9026 (1981)
Authors: D.M.Drake, K.Aniol, I.Halpern, S.Joly, L.Nilsson, D.Storm, S.A.Wender
Title: The E2 Isovector Giant Resonance as Seen Through the Capture of Fast Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=7-20 MeV; measured asymmetry. ^{209}Pb deduced T=1,GQR.

Keynumber: 1981DR08
Reference: Phys.Rev.Lett. 47, 1581 (1981)
Authors: D.M.Drake, S.Joly, L.Nilsson, S.A.Wender, K.Anoil, I.Halpern, D.Storm
Title: E2 Isovector Giant Resonance as Seen through the Capture of Fast Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=7-20 MeV; measured σ(Eγ),asymmetry. ^{209}Pb deduced E2 giant isovector resonance.

Keynumber: 1981CV02
Reference: Fizika(Zagreb) 13, Suppl.No.2, 16 (1981)
Authors: F.Cvelbar, R.Martincic, A.Likar
Title: Sensitivity of the Direct-Semidirect Model Calculations of the Integrated Neutron Capture Cross Section on the Exactness of the Final State Wave Function
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{140}Ce, ^{208}Pb(n,γ),E not given; calculated integrated σ(E). Direct semi-direct capture model.

Keynumber: 1980POZW
Coden: CONF Berkeley(Int Conf on Nucl Phys) Proc,P222,Potokar
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(polarized n,γ),E=4-24 MeV; calculated σ(Eγ,E),γ(θ). Direct-semidirect,pure resonance,pure semidirect model.

Keynumber: 1980LI17
Reference: Nucl.Phys. A350, 74 (1980)
Authors: A.Likar, R.Martincic
Title: Fast Neutron Capture in ^{208}Pb as Seen Through Direct-Semidirect and Pure Resonance Models
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=8-32 MeV; calculated σ(total,E),γ(θ). Resonance,DSD models.

Keynumber: 1979DI06
Reference: Phys.Rev.Lett. 43, 114 (1979)
Authors: F.S.Dietrich, A.K.Kerman
Title: Pure-Resonance Model for Radiative Capture of Fast Nucleons
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=6-16 MeV; calculated σ(E). Direct semidirect model giant resonance projected from continuum space.

Keynumber: 1979CH15
Reference: Phys.Lett. 83B, 271 (1979)
Authors: D.R.Chakrabarty, S.K.Gupta
Title: Fast Neutron Capture and the Microscopic Isovector Optical Potential
Keyword abstract: NUCLEAR REACTIONS ^{89}Y,Ce, ^{208}Pb(n,γ),E=6-16 MeV; calculated σ. direct-semidirect model,complex microscopic optical potential.

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: 1978SA27
Reference: Nucl.Phys. A311, 284 (1978)
Authors: F.Saporetti, R.Guidotti
Title: Giant M1 Resonance in the Direct-Semidirect Model for Nucleon Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ_0), (p,γ_0), ^{140}Ce(n,γ_0), (p,γ_0),E=2-10 MeV; calculated σ,γ(θ) extending direct-semidirect model for nucleon radiative capture via E1,E2 resonances to collective M1 excitation.

Keynumber: 1978SA22
Reference: Phys.Lett. 76B, 15 (1978)
Authors: F.Saporetti, G.Longo, R.Guidotti

Title: Investigation of Angular Distributions by the E1-E2 Direct-Semidirect Model
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=5-40 MeV; calculated γ(θ).

Keynumber: 1978SA20
Reference: Lett.Nuovo Cim. 22, 202 (1978)
Authors: F.Saporetti, R.Guidotti
Title: Nucleon Radiative Capture Through Collective M1 Excitation
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=3.5,5.5 MeV; calculated σ(θ).

Keynumber: 1978LO18
Reference: Nuovo Cim. 46A, 509 (1978)
Authors: G.Longo, F.Saporetti, R.Guidotti
Title: Interference between Dipole and Quadrupole Radiative Capture of Fast Nucleons
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ), (p,γ),E=6-40 MeV; calculated σ(θ). Direct-semidirect model with interference between E1,E2.

Keynumber: 1978DIZO
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No23,Dietrich
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=8-14 MeV; calculated σ(E,θ). Pure resonance model. Compared with direct-semidirect model predictions.

Keynumber: 1978DIZL
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P600,Dietrich
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=fast; calculated σ(En). Direct-semidirect,Pre-resonance models.

Keynumber: 1978CHYV
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No16,Chakrabarty
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,n), ^{208}Pb(n,γ),E=8.05 MeV; calculated σ(θ). direct-semidirect capture formalism,microscopic isovector optical potential.

Keynumber: 1978CHYJ
Coden: REPT BARC-990,P16,Chatterjee
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E not given; calculated σ. Optical potential. Hard-core nucleon-nucleon interaction. Complex isovector part.

Keynumber: 1978CHXS
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P576,Chakrabarty
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=6-14 MeV; calculated σ(E). ^{208}Pb (n,n),E=8.05 MeV; calculated σ(θ). Microscopic isovector optical potential.

Keynumber: 1978BEYD
Coden: REPT Uppsala,Tandem Accelerator Lab,1978 Ann,p55,7-4-2,Bergqvist
Keyword abstract: NUCLEAR REACTIONS ^{28}Si, ^{32}S, ^{40}Ca, ^{89}Y, ^{140}Ce, ^{208}Pb(n,γ),E=5-15 MeV; measured σ. direct-semidirect,compound nuclear models.

Keynumber: 1978ARZY
Coden: JOUR BAPSA 23 62 GE5 Arthur

Keyword abstract: NUCLEAR REACTIONS C,Y,Sr, ^{208}Pb(n,γ),E=7-14 MeV; measured σ(E,Eγ,θ).

Keynumber: 1978ARZI
Coden: REPT Uppsala,Tandem Accelerator Lab,1978 Ann,p59,7-4-6,Arthur
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=7-19 MeV; measured γ(θ).

Keynumber: 1977PO01
Reference: Nucl.Phys. A277, 29 (1977)
Authors: M.Potokar, A.Likar, M.Budnar, F.Cvelbar
Title: Analysis of Fast Neutron Capture Data Based on the Refined Direct-Semidirect Model
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb, ^{88}Sr, ^{40}Ca, ^{89}Y(n,γ),E ≈ 14 MeV; calculated σ.

Keynumber: 1977LI08
Reference: Nucl.Phys. A280, 49 (1977)
Authors: A.Likar, M.Potokar, F.Cvelbar
Title: Angular Distribution of γ-Rays from the Radiative Capture of Fast Nucleons
Keyword abstract: NUCLEAR REACTIONS ^{88}Sr, ^{40}Ca, ^{208}Pb(n,γ),E=4-20 MeV; ^{39}K, ^{64}Ni(p,γ),E <25 MeV; calculated γ(θ) coefficient.

Keynumber: 1977CHXW
Reference: Proc.Nucl.Phys.and Solid State Symposium, Pune, Vol.20B, p.147 (1977)
Authors: D.R.Chakrabarty, S.K.Gupta
Title: Direct and Collective Nucleon Capture using Microscopic Optical Potential
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=7-15 MeV; calculated σ(E). Paticle-vibration coupling,complex isovector term in nucleon-nucleus optical potential.

Keynumber: 1976LO10
Reference: Phys.Lett. 65B, 15 (1976)
Authors: G.Longo, F.Saporetti
Title: Isoscalar and Isovector Quadrupole Capture of Nucleons
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ), (p,γ),E=5-50 MeV; calculated σ(E).

Keynumber: 1976LO07
Reference: Lett.Nuovo Cim. 16, 193 (1976)
Authors: G.Longo, G.Reffo, F.Saporetti
Title: Compound-Nucleus and Direct-Semidirect Contributions to Radiative Capture of Fast Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{140}Ce, ^{208}Pb(n,γ),E=5-15 MeV; calculated σ; deduced compound nucleus contributions,direct,semidirect contributions.

Keynumber: 1976LE27
Reference: Phys.Lett. 65B, 201 (1976)
Authors: H.C.Lee, F.C.Khanna, M.A.Lone, A.B.McDonald
Title: Doubly Radiative Neutron Capture by ^{2}H, ^{3}He, ^{16}O and ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{2}H, ^{3}He, ^{16}O, ^{208}Pb(n,γ),E=th; calculated σ(2γ),σ(2γ)/σ(γ).

Keynumber: 1976KI06
Reference: J.Phys.Soc.Jap. 41, 1102 (1976)
Authors: H.Kitazawa, N.Yamamuro

Title: Giant Quadrupole Capture of Energetic Nucleons by Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=5-20 MeV; calculated E1,E2 capture σ.

Keynumber: 1975DRZY
Coden: JOUR BAPSA 20 173 IB19
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=11 MeV; measured σ(Eγ).

Keynumber: 1974SA14
Reference: Bull.Tokyo Inst.Technol.(Engl.Ed.) No.121, 1 (1974)
Authors: K.Sakurada, H.Kitazawa, N.Yamamuro
Title: Dependence of the Collective Neutron Capture Cross Section on Several Parameters
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=12.0,14.7 MeV; calculated σ(E),σ(Eγ); deduced dependence on potential parameters.

Keynumber: 1974LO14
Reference: Nuovo Cim. 20A, 373 (1974)
Authors: G.Longo, F.Saporetti, F.Rigaud, J.L.Irigaray, G.Y.Petit
Title: Different Coupling Interactions in Semi-Direct Capture of 14 MeV Neutrons by Si, Sr, Ce and ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{28}Si, ^{88}Sr, ^{140}Ce, ^{208}Pb(n,γ),E=14 MeV; calculated σ (Eγ).

Keynumber: 1974LE21
Reference: Phys.Rev. C10, 1223 (1974)
Authors: A.Lev, W.P.Beres
Title: Imaginary Optical Potential in ^{206}Pb and its Comparison to ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{206}, ^{208}Pb(n,γ),E=0-12 MeV; calculated imaginary optical potential,σ(E).

Keynumber: 1974ALYP
Coden: REPT BARC-770 P30
Keyword abstract: NUCLEAR REACTIONS ^{180}Hf, ^{203}Tl, ^{208}Pb, ^{209}Bi(n,α), (n,γ),E=thermal; measured σ(E,Eα)/σ(E,Eγ). ^{178m}, ^{178}Lu deduced isomeric cross-section ratio,J.

Keynumber: 1973RIZK
Coden: CONF Asilomar(Photonuclear Reactions),Vol2 P953
Keyword abstract: NUCLEAR REACTIONS ^{28}Si, ^{88}Sr, ^{140}Ce, ^{208}Pb(n,γ); measured σ(Eγ). ^{29}Si, ^{89}Sr, ^{141}Ce, ^{209}Pb deduced levels.

Keynumber: 1973MAXD
Coden: CONF Munich(Nucl Phys),Vol1 P639
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ); calculated σ(E).

Keynumber: 1973MAWC
Coden: JOUR ZEPYA 263 No3 abstracts (Mantzouranis)
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ); calculated σ.

Keynumber: 1973MA37

Reference: Z.Phys. 264, 405 (1973)
Authors: G.Mantzouranis
Title: Direct and Compound Contributions to (n,γ) Cross Sections
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=2.25-7.25 MeV; calculated σ(E).

Keynumber: 1973LO01
Reference: Nucl.Phys. A199, 530 (1973)
Authors: G.Longo, F.Saporetti
Title: Volume Form of Coupling Interaction in Semi-Direct (n,γ) and (p,γ) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ), ^{142}Ce(p,γ),E <20,Ep <50 MeV; calculated σ for giant resonance region.

Keynumber: 1973LE12
Reference: Phys.Rev.Lett. 31, 555 (1973)
Authors: A.Lev, W.P.Beres, M.Divadeenam
Title: Imaginary Optical Potential for the Compound Nucleus ^{209}Pb
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=0-12 MeV; measured nothing, calculated σ (E),absorption σ,imaginary optical potential.

Keynumber: 1973KIYT
Coden: REPT INDC(JAP)-17L PV-2
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ); calculated σ(E).

Keynumber: 1973KI15
Reference: Bull.Tokyo Inst.Technol.(Engl.Ed.) No.116, 11 (1973)
Authors: H.Kitazawa, S.Karashima, K.Koyama, K.Sakurada, N.Yamamuro
Title: Direct and Semi-Direct Radiative Captures of 14 MeV Neutrons by Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=14.7,13.2,11.2,9.2 MeV; calculated Eγ,Iγ,σ.

Keynumber: 1973AL18
Reference: Phys.Rev. C8, 1504 (1973)
Authors: B.J.Allen, R.L.Macklin, R.R.Winters, C.Y.Fu
Title: Neutron-Capture Cross Sections of the Stable Lead Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{204}, ^{206}, ^{207}, ^{208}Pb(n,γ),E >2.5 keV; measured σ(E;Eγ). ^{205}, ^{207}, ^{208}, ^{209}Pb deduced resonances,level-width.

Keynumber: 1973AL06
Reference: Nucl.Phys. A205, 614 (1973)
Authors: J.Alam, M.L.Sehgal
Title: Study of (n,α) Reactions at Thermal Energies
Keyword abstract: NUCLEAR REACTIONS ^{180}Hf, ^{203}Tl, ^{208}Pb, ^{209}Bi(n,α), (n,γ),E=thermal; measured σ(n,α)/σ(n,γ).

Keynumber: 1972POZJ
Coden: CONF Budapest,Contributions,P250,10/13/72
Keyword abstract: NUCLEAR REACTIONS ^{28}Si, ^{40}Ca, ^{88}Sr, ^{138}Ba, ^{208}Pb(n,γ),E=14 MeV; calculated σ(Eγ).

Keynumber: 1972BO23
Reference: Nucl.Phys. A189, 334 (1972)
Authors: J.P.Boisson, S.Jang
Title: Direct and Semi-Direct Radiative Capture of Nucleons in Deformed Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{160}Gd, ^{159}Tb, ^{208}Pb, ^{238}U(n,γ),E=14 MeV; calculated σ(Eγ).

Keynumber: 1972BE46
Reference: Nucl.Phys. A191, 641 (1972)
Authors: I.Bergqvist, D.M.Drake, D.K.McDaniels
Title: Radiative Capture of Energetic Neutrons by ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=6.2-14.7 MeV; measured σ(E;Eγ); deduced total σ; tested semi-direct capture theory. ^{209}Pb deduced giant resonance structure. Isotopic target.

Keynumber: 1971DR07
Reference: Phys.Lett. 36B, 557 (1971)
Authors: D.Drake, I.Bergqvist, D.K.McDaniels
Title: Dependence of 14 MeV Radiative Neutron Capture on Mass Number
Keyword abstract: NUCLEAR REACTIONS ^{165}Ho, ^{208}Pb, ^{238}U,Gd,Ta,Au(n,γ),E=14 MeV; measured σ.

Keynumber: 1971BE38
Reference: Phys.Rev.Lett. 27, 269 (1971)
Authors: I.Bergqvist, D.Drake, D.K.McDaniels
Title: Spectrum of the Reaction ^{208}Pb(n,γ)^{209}Pb and Semidirect Capture Theory
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ),E=9.2,11.2,13.2 MeV; measured σ(Eγ); deduced agreement with semidirect capture theory.

Keynumber: 1970LO06
Reference: Nuovo Cimento 67A, 356 (1970)
Authors: G.Longo, F.Saporetti
Title: Different Contributions of Direct and Collective Capture in (p,γ) and (n,γ) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ), (p,γ), E=6-30 MeV; calculated σ(E); deduced direct, collective contributions.

Keynumber: 1969MA30
Reference: Phys.Rev. 181, 1639 (1969)
Authors: R.L.Macklin, J.H.Gibbons
Title: ^{208}Pb(n,γ) Cross Sections by Activation Between 10 and 200 keV
Keyword abstract: NUCLEAR REACTIONS ^{208}Pb(n,γ), E = 10-200 keV; measured σ(E). ^{209}Pb resonances deduced level-width.

Keynumber: 1968EMZX
Coden: REPT ORNL-4343,P71
Keyword abstract: NUCLEAR REACTIONS ^{64}Ni, ^{208}Pb(n,γ)E=thermal; measured σ.
