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44 reference(s) found :

Keynumber: 1998MUZU
Reference: Proc.Intern.Symposium on Nuclear Astrophysics, Nuclei in the Cosmos V, Volos, Greece, July 6-11, 1998, N.Prantzos, S.Harissopulos, Eds., Editions Frontieres, Paris, p.204 (1998)
Authors: P.Mutti, F.Corvi, K.Athanassopulos, H.Beer, P.Krupchitsky
Title: s-Process Implications of ^{207}Pb and ^{209}Bi Neutron Capture Cross Sections
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb, ^{209}Bi(n,γ),E not given; measured capture σ; deduced Maxwellian averaged σ.

Keynumber: **1998BE19**
Reference: Phys.Rev. C57, 2740 (1998)
Authors: T.Belgya, B.Fazekas, Zs.Kasztovszky, Zs.Revay, G.Molnar, M.Yeh, P.E.Garrett, S.W.Yates
Title: Levels of ^{208}Pb from the ^{207}Pb(n,γ) Reaction with a Guided Neutron Beam
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E ≤ thermal; measured Eγ,Iγ. ^{208}Pb deduced levels J,π,two-phonon transition upper limit.

Keynumber: 1997MUZW
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.1584 (1997)
Authors: P.Mutti, F.Corvi, K.Athanassopulos, H.Beer, P.Krupchitsky
Title: Stellar Capture Rates for s-Process Strong Component Elements
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb, ^{209}Bi(n,γ),E not given; measured σ; deduced Maxwellian averaged σ,astrophysical s-,r-process implications.

Keynumber: 1996KA26
Reference: Nucl.Instrum.Methods Phys.Res. A369, 648 (1996)
Authors: L.P.Kabina, I.A.Kondurov, P.A.Sushkov
Title: Energy Calibration Procedure for γ-Radiation and Conversion Electron Spectra using Level Scheme a priori Information
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb, ^{27}Al(n,γ),E=reactor; measured Eγ.
Keyword abstract: RADIOACTIVITY ^{28}Al(β$^-$) [from ^{27}Al(n,γ),E=reactor]; measured Eγ.

Keynumber: 1994KR20
Reference: Fiz.Elem.Chastits At.Yadra 25, 1444 (1994); Sov.J.Part.Nucl 25, 612 (1994)
Authors: P.A.Krupchitsky
Title: Parity Violation in Nuclear Reactions with Polarized Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{2}, ^{1}H, ^{35}Cl, ^{57}Fe, ^{79}, ^{81}Br, ^{111}, ^{113}Cd, ^{117}Sn, ^{139}La, ^{207}Pb(polarized n,γ),E=thermal,resonance; compiled,reviewed parity violation data,analyses; deduced dominant mechanism.

Keynumber: 1989AB16
Reference: Nucl.Instrum.Methods Phys.Res. A284, 80 (1989)
Authors: Yu.G.Abov, O.N.Ermakov, I.L.Karpikhin, P.A.Krupchitsky, G.A.Lobov, V.F.Perepelitsa, V.I.Petrukhin, A.N.Starodumov
Title: Investigation of Parity Violation in the ^{207}Pb(n(pol),γ)^{208}Pb Reaction

Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(polarized n,γ),E=thermal; measured γ-asymmetry; deduced P-odd asymmetry upper limit.

Keynumber: 1989AB02
Reference: Phys.Lett. 217B, 225 (1989)
Authors: Yu.G.Abov, O.N.Ermakov, I.L.Karpikhin, P.A.Krupchitsky, G.A.Lobov, V.F.Perepelitsa, V.Petrukhin, A.N.Starodumov
Title: The Investigation of Parity Violation in the Process ^{207}Pb(n(pol),γ)^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(polarized n,γ),E=thermal; measured asymmetry; deduced P-odd asymmetry coefficient.

Keynumber: 1988LO15
Reference: Europhys.Lett. 7, 689 (1988)
Authors: G.Longo
Title: Polarized Neutron Radiative Capture Study of Giant Resonances in ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(polarized n,γ),E <16 MeV; analyzed σ(θγ,En). ^{208}Pb deduced giant multipole resonances,γ-multipolarity,widths.

Keynumber: 1987ZA05
Reference: Yad.Fiz. 45, 1302 (1987)
Authors: D.F.Zaretsky, V.K.Sirotkin
Title: On Effects of Various Mechanisms in Violation of Space Parity in Neutron-Induced Reactions
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{81}Br, ^{93}Nb, ^{111}Cd, ^{117}, ^{124}Sn, ^{207}Pb(polarized n,γ),E=cold; calculated forward-backward asymmetries,polarization vector rotations,helicity dependent asymmetries; deduced reaction mechanism dependences. Valence,compound nucleus mechanisms.

Keynumber: **1987KO11**
Reference: Phys.Rev. C35, 1646 (1987)
Authors: R.Kohler, J.A.Wartena, H.Weigmann, L.Mewissen, F.Poortmans, J.P.Theobald, S.Raman
Title: Nuclear Structure of ^{208}Pb from ^{207}Pb + n Resonances
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,n), (n,γ),E=0.02-20 MeV; measured elastic scattering,capture,total σ(E). ^{208}Pb deduced levels,J,π,resonance parameters,level density,B(M1). Enriched target.

Keynumber: 1986KO15
Reference: Radiat.Eff. 94, 231 (1986)
Authors: R.Kohler, L.Mewissen, F.Poortmans, S.Raman, J.A.Wartena, H.Weigmann
Title: Doorways in the Reaction ^{207}Pb + n
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,X), (n,γ),E=0.003-4 MeV; measured total σ(E). ^{208}Pb deduced M1 transition strength distribution,B(M1),p-wave strength function,doorway characteristics.

Keynumber: 1983MA55
Reference: Nucl.Phys. A407, 98 (1983)
Authors: M.A.J.Mariscotti, D.R.Bes, S.L.Reich, H.M.Sofia, P.Hungerford, S.A.Kerr, K.Schreckenbach, D.D.Warner, W.F.Davidson, W.Gelletly
Title: Search for Two-Octupole-Phonon States in ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin,I(ce).

^{208}Pb deduced levels,tentative J,π,two-phonon octupole vibration evidence,B(λ) ratios,γ-branching. RPA formalism.

Keynumber: 1983HU13
Reference: Z.Phys. A313, 349 (1983)
Authors: P.Hungerford, T.von Egidy, H.H.Schmidt, S.A.Kerr, H.G.Borner, E.Monnand
Title: Neutron Binding and Excitation Energies of some Pb Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{204}, ^{206}, ^{207}Pb(n,γ),E=thermal; measured Eγ,Iγ following neutron capture. ^{205}, ^{207}, ^{208}Pb deduced improved level,neutron binding energies.

Keynumber: 1980AL19
Reference: J.Phys.(London) G6, 1173 (1980)
Authors: B.J.Allen, D.D.Cohen, F.Z.Company
Title: Radiative Widths of Neutron Scattering Resonances
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{24}Mg, ^{27}Al, ^{28}Si, ^{56}Fe, ^{207}Pb(n,γ),E=20-80 keV; measured σ(Eγ,E). ^{20}F, ^{25}Mg, ^{28}Al, ^{29}Si, ^{57}Fe, ^{208}Pb deduced resonances,Γn,L,J,π,Γγ. Moxon-Rae detectors, Monte-Carlo analysis.

Keynumber: 1978RAZT
Coden: JOUR BAPSA 23 637 KL12,Raman
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ); measured σ(Eγ). ^{208}Pb deduced resonances,λ.

Keynumber: 1978RA07
Reference: Phys.Rev.Lett. 40, 1306 (1978)
Authors: S.Raman, M.Mizumoto, G.G.Slaughter, R.L.Macklin
Title: Observation of Primary E2 Transitions in the Reaction ^{207}Pb(n,γ)
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E=0-800 keV; measured nothing,analyzed previous data. ^{208}Pb deduced resonances,λ,radiation Γ.

Keynumber: 1977RAZY
Coden: JOUR BAPSA 22 542 BE13,Raman
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E ≤ 1 MeV; measured σ(E,Eγ). ^{208}Pb resonances deduced λ.

Keynumber: 1977RAZO
Coden: REPT ORNL-5306,P113,Raman
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ); measured γ-spectra. ^{208}Pb deduced transitions,Γ.

Keynumber: 1977RAZH
Coden: CONF Tokyo (Nucl Structure),Proc,Vol1,P454,Raman
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ); measured not given. ^{208}Pb deduced giant M1 resonance,transitions,M1,E2 strength distributions,radiation Γ.

Keynumber: 1977RAYX
Coden: CONF Sendai (Electro-,Photoexcitations),P21,Raman
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E <1 MeV; measured Eγ,Iγ,σ. ^{208}Pb

resonances deduced absolute Γγ for dipole transitions to ground state,identified 18 M1 transitions.

Keynumber: 1977RAYW
Coden: CONF Osaka(Highly-Excited States),Proc,RCNP-P-15,p42,Raman
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E ≤ 1 MeV; measured Eγ,Iγ,σ. ^{208}Pb resonances deduced absolute Γγ for dipole transitions to ground state. Identified 18 M1 transitions.

Keynumber: 1977RA14
Reference: Phys.Rev.Lett. 39, 598 (1977); Priv.Comm. (October 1977)
Authors: S.Raman, M.Mizumoto, R.L.Macklin
Title: Fine Structure of the Magnetic Dipole Giant Resonance in ^{208}Pb
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E ≤ 1 MeV; measured γ-spectra. ^{208}Pb resonances deduced Γγ,B(M1).

Keynumber: 1975LI26
Reference: Fizika 7, 157 (1975)
Authors: A.Likar, M.Potokar, F.Cvelbar
Title: Angular Distribution of Neutron Capture γ-Rays in the Semidirect Capture Model
Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{207}Pb(n,γ),E <20 MeV; calculated angular distribution in GDR region.

Keynumber: 1974PH01
Reference: Phys.Rev. C9, 407 (1974)
Authors: T.W.Phillips, C.D.Bowman, B.L.Berman
Title: Concerning the Question of Nonresonant Neutron Capture in ^{207}Pb
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E <41 keV; measured σ(E). ^{208}Pb resonances deduced level-width.

Keynumber: 1974HAWV
Coden: REPT CONF-740419
Keyword abstract: NUCLEAR REACTIONS ^{206}, ^{207}Pb(n,γ),E=20-1000 keV; measured total σ,σ (E,Eγ). ^{207}Pb deduced resonances. ^{208}Pb resonances deduced J,π. ^{91}Zr(γ,n); ^{234}U(n,X), (n,F),E <1400 eV; ^{240}Pu, ^{238}U(n,F); measured σ. ^{91}Zr resonances deduced level-width. ^{237}Np, ^{235}U(n,F); measured σ. ^{238}Np, ^{236}U resonances deduced J.

Keynumber: 1974BA27
Reference: Nucl.Phys. A222, 525 (1974)
Authors: Y.Baudinet-Robinet
Title: Statistical Analysis of Correlations between Partial Widths of Different Channels
Keyword abstract: NUCLEAR REACTIONS ^{29}Si(γ,n), ^{169}Tm, ^{163}Dy, ^{207}Pb(n,γ); calculated correlations.

Keynumber: 1974ARZE
Coden: REPT USNDC-11 P151
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{90}Zr, ^{165}Ho, ^{207}Pb, ^{238}U(n,γ),E=14 MeV; measured σ(Eγ,θ).

Keynumber: 1973WAYU

Coden: CONF Asilomar(Photonuclear Reactions),Vol1 P311
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ); measured Eγ.

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: 1972OP01
Reference: Nucl.Phys. A180, 569 (1972)
Authors: A.M.F.Op den Kamp, A.M.J.Spits
Title: Gamma Rays from Thermal-Neutron Capture in Natural and ^{39}K Enriched Potassium
Keyword abstract: NUCLEAR REACTIONS ^{39}, ^{41}K, ^{1}H, ^{6}Li, ^{12}C, ^{19}F, ^{40}Ar, ^{56}Fe, ^{207}Pb(n,γ),E= thermal; ^{19}F, ^{28}Si(n,n'γ),E=fast; measured Eγ,Iγ. ^{39}K(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin; deduced Q. ^{40}, ^{42}K deduced levels,γ-branching. Ge(Li),NaI detectors.

Keynumber: 1972MA03
Reference: Phys.Rev. C5, 178 (1972)
Authors: M.A.J.Mariscotti, W.Gelletly, W.R.Kane
Title: Thermal-Neutron-Capture γ-Rays from the Reaction Pb^{207}(n,γ)Pb^{208}
Keyword abstract: NUCLEAR REACTIONS Pb, ^{207}Pb(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{208}Pb deduced transitions. Ge(Li) detectors.

Keynumber: 1972LO26
Reference: Nucl.Instrum.Methods 105, 453 (1972)
Authors: G.D.Loper, G.E.Thomas
Title: Gamma-Ray Intensity Standards: the Reactions ^{14}N(n,γ)^{15}N, ^{35}Cl(n,γ)^{36}Cl and ^{53}Cr(n,γ)^{54}Cr
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{50}, ^{52}, ^{53}Cr, ^{14}N, ^{207}Pb(n,γ);E=thermal; ^{36}Cl, ^{51}, ^{53}, ^{54}Cr measured Eγ,Iγ.

Keynumber: 1971GRZQ
Coden: JOUR BAPSA 16 496
Keyword abstract: NUCLEAR REACTIONS ^{204}, ^{207}Pb(n,γ),E approx 2 keV; measured σ.

Keynumber: 1971GR40
Reference: Phys.Rev. C4, 2249 (1971)
Authors: R.C.Greenwood, C.W.Reich
Title: Absolute Cross Sections for 2-keV Neutron Capture in ^{204}Pb and ^{207}Pb
Keyword abstract: NUCLEAR REACTIONS Pb, ^{204}, ^{207}Pb(n,γ),E=2 keV; measured Eγ,Iγ; deduced Q. ^{205}Pb deduced levels,J,π.

Keynumber: 1971ALZO
Coden: CONF CONF-710301(Knoxville),Vol2,P764,11/
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E=3-640 keV; measured σ(E). ^{208}Pb d2/71 educed resonance parameters.

Keynumber: 1970VO10
Reference: Z.Phys. 236, 440 (1970)
Authors: T.von Egidy, W.Mampe, B.Olma, W.Kaiser
Title: Search for E0-Transitions in ^{208}Pb by Neutron Capture Conversion Electrons
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ), E=slow; measured I(ce). ^{208}Pb deduced γ-branching,internal pair formation/K conversion ratio for E0 transitions.

Keynumber: 1970SP02
Reference: Nucl.Phys. A145, 449 (1970)
Authors: A.M.J.Spits, A.M.F. Op den Kamp, H.Gruppelaar
Title: Gamma Rays from Thermal-Neutron Capture in Natural and ^{28}Si Enriched Silicon
Keyword abstract: NUCLEAR REACTIONS ^{28}, ^{29}, ^{30}Si, ^{6}Li, ^{14}N, ^{19}F, ^{27}Al, ^{54}, ^{56}Fe, ^{207}Pb(n,γ), E=thermal; ^{28}Si(n,n'γ), E=fast; measured Eγ, Iγ; deduced Q. ^{29}, ^{30}, ^{31}Si deduced levels, γ-branching. Natural, ^{28}Si enriched targets, Ge(Li) detector.

Keynumber: 1970GRZF
Coden: REPT IN-1407 P46
Keyword abstract: NUCLEAR REACTIONS ^{204}, ^{207}Pb(n,γ),E=2 keV; measured Eγ,Iγ. ^{205}Pb deduced level,J.

Keynumber: 1970AL24
Reference: Phys.Rev.Lett. 25, 1675 (1970)
Authors: B.J.Allen, R.L.Macklin
Title: Nonresonant Neutron Capture in ^{207}Pb (Question)
Keyword abstract: NUCLEAR REACTIONS ^{207}Pb(n,γ),E=25-50 keV; measured σ(E); deduced no nonresonant capture.

Keynumber: 1969AB03
Reference: Nucl.Phys. A124, 34 (1969)
Authors: K.Abrahams, W.Ratynski
Title: Circular Polarization of γ-Radiation After Capture of Polarized Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{39}K, ^{40}Ca, ^{48}Ti, ^{59}Co, ^{113}Cd, ^{207}Pb(n,γ), E=thermal; measured Pγ, Eγ. ^{40}K, ^{41}Ca, ^{49}Ti, ^{60}Co, ^{114}Cd, ^{208}Pb, deduced levels, J, delta. Natural targets, Ge(Li) detector.

Keynumber: 1968BR28
Reference: Nucl.Phys. A121, 329 (1968)
Authors: G.J.Broomhall, J.R.Bird
Title: Direct Neutron Capture in Lead
Keyword abstract: NUCLEAR REACTIONS. ^{207}Pb(n,γ), E=15-60 keV; measured σ(E). ^{208}Pb deduced levels. Natural, enriched targets.

Keynumber: 1967SP05
Reference: Nucl.Phys. A102, 209 (1967)
Authors: P.Spilling, H.Gruppelaar, A.M.F.Op Den Kamp
Title: Thermal-Neutron Capture Gamma Rays from Natural Magnesium and Enriched ^{25}Mg
Keyword abstract: NUCLEAR REACTIONS ^{24}, ^{25}, ^{26}Mg, ^{56}Fe, ^{63}Cu, ^{207}Pb(n,γ), E=thermal;

measured σ(Eγ); deduced Q. ^{25}, ^{26}, ^{27}Mg deduced levels, branching. Enriched ^{25}Mg target, 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: 1967BA71
Reference: RPI-328-97, p.24 (1967)
Authors: Z.M.Bartolome, J.R.Tatarczuk, W.R.Moyer, R.C.Block
Title: Neutron Radiative Capture Measurements on Lead, Fluorine, Magnesium, and Sulfur
Keyword abstract: NUCLEAR REACTIONS ^{19}F,Mg, S,Pb, ^{204}, ^{206}, ^{207}Pb(n,γ), E=1-100 keV; measured σ(E). ^{20}F ,Mg,S, ^{205}, ^{207}, ^{208}Pb deduced resonances,level-width.
