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55 reference(s) found :

Keynumber: 1999CVZZ
Reference: INDC(NDS)-412, p.64 (1999)
Authors: F.Cvelbar, A.Likar, T.Vidmar, M.Hocevar
Title: Modeling 14 MeV Neutron Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ),E=14 MeV; calculated σ(Eγ). Pb(n,γ),E=2-20 MeV; calculated σ(En). Comparisons with data. Comparison of direct-semidirect and pre-equilibrium-equilibrium models.

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: 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: 1998GR02
Reference: Yad.Fiz. 61, No 1, 29 (1998); Phys.Atomic Nuclei 61, 24 (1998)
Authors: O.T.Grudzevich
Title: Isomeric Ratios for Radiative Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{59}Co, ^{80}Se, ^{89}Y, ^{79}Br, ^{85}Rb, ^{103}Rh, ^{151}Eu, ^{115}In, ^{187}Re (n,γ),E=0-14 MeV; analyzed isomer production ratios. Cascade-evaporation model analysis.

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: 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: 1993MI04
Reference: Nucl.Phys. A552, 232 (1993)
Authors: S.Michaelsen, A.Harder, K.P.Lieb, G.Graw, R.Hertenberger, D.Hofer, P.Schiemenz, E.Zanotti, H.Lenske, A.Weigel, H.H.Wolter, S.J.Robinson, A.P.Williams
Title: Complete Spectroscopy of ^{90}Y via the ^{89}Y(n,γ) and ^{89}Y(d(pol),p) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ),E=thermal; measured Eγ,Iγ. ^{89}Y(polarized d,p),E=22 MeV; measured σ(θ),vector analyzing power A(y)(θ). ^{90}Y deduced levels,J,π,neutron binding energy,level density. Comparison with shell model,RPA calculations.

Keynumber: 1993HAZV
Reference: Proc.6th Intern.Conf.on Nuclei Far from Stability + 9th Intern.Conf.on Atomic Masses and Fundamental Constants, Bernkastel-Kues, Germany, 19-24 July, 1992, R.Neugart, A.Wohr, Eds., p.69 (1993)
Authors: A.Harder, S.Michaelsen, A.Jungclaus, K.P.Lieb, A.P.Williams, H.G.Borner
Title: Precision Neutron Binding Energies of ^{59}, ^{61}, ^{63}, ^{64}Ni and ^{90}Y Obtained from Thermal Neutron Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{58}, ^{60}, ^{62}Ni, ^{89}Y(n,γ),E=thermal; measured capture γ spectra. ^{59}, ^{61}, ^{63}, ^{64}Ni, ^{90}Y deduced neutron binding energy,transition Iγ. Double neutron capture on ^{62}Ni.

Keynumber: 1992HAZV
Reference: Contrib. 6th Intern.Conf.on Nuclei Far from Stability + 9th Intern.Conf.on Atomic Masses and Fundamental Constant, Bernkastel-Kues, Germany, PA4 (1992)
Authors: A.Harder, S.Michaelsen, A.Jungclaus, K.P.Lieb, A.P.Williams, H.G.Borner
Title: Precision Neutron Binding Energies of ^{59}, ^{63}, ^{64}Ni and ^{90}Y Obtained from Thermal Neutron Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{58}, ^{62}Ni(n,γ),E=thermal; measured γ-spectra following capture. ^{90}Y, ^{64}, ^{63}, ^{59}Ni deduced binding energy,Iγ,intermediate states.

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: 1990KA13
Reference: Astrophys.J. 355, 348 (1990)
Authors: F.Kappeler, W.R.Zhao, H.Beer, U.Ratzel

Title: ^{88}Sr and ^{89}Y: The s-process at magic neutron number N = 50

Keyword abstract: NUCLEAR REACTIONS ^{88}Sr, ^{89}Y(n,γ),E=quasistellar; measured capture σ; deduced s-process implications.

Keynumber: 1987ZO02
Reference: Nucl.Phys. A472, 125 (1987)
Authors: R.Zorro, I.Bergqvist, S.Crona, A.Hakansson, A.Likar, A.Lindholm, L.Nilsson, N.Olsson
Title: The Isovector Quadrupole Resonance in Yttrium Excited by Neutron Radiative Capture

Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ),E=12-27 MeV; measured γ-spectra,asymmetry. ^{90}Y deduced isovector quadrupole resonance,Γ,EWSR. Direct-semidirect model.

Keynumber: 1986VO03
Reference: Nucl.Sci.Eng. 93, 43 (1986); Corrigendum Nucl.Sci.Eng. 96 343 (1987)
Authors: J.Voignier, S.Joly, G.Grenier
Title: Capture Cross Sections and Gamma-Ray Spectra from the Interaction of 0.5- to 3.0-MeV Neutrons with Nuclei in the Mass Range A = 63 to 209

Keyword abstract: NUCLEAR REACTIONS Cu, ^{89}Y,Zr, ^{93}Nb,La,Gd, ^{159}Tb, ^{181}Ta,Re,Pt,Tl, ^{209}Bi, ^{63}, ^{65}Cu, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),E=0.5-3 MeV; measured absolute σ(E); deduced capture γ-multiplicity.

Keynumber: 1981RA07
Reference: Phys.Rev. C23, 1979 (1981)
Authors: S.Raman, O.Shahal, A.Z.Hussein, G.G.Slaughter, J.A.Harvey
Title: Enhanced Primary Dipole Transitions in the ^{89}Y(n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ),E=1-6 keV; measured Eγ,Iγ; ^{89}Y(n,X),E=1-10 keV; measured transmission. ^{90}Y deduced resonances,S(n),J,π,resonance parameters. Ge(Li) detector.

Keynumber: 1981RA01
Reference: J.Phys.(London) G7, 53 (1981)
Authors: S.K.Rathi, H.M.Agarwal
Title: P-Wave Neutron Strength Functions

Keyword abstract: NUCLEAR REACTIONS ^{43}Ca, ^{52}Cr, ^{56}Fe, ^{88}Sr, ^{89}Y, ^{90}, ^{92}, ^{94}Zr, ^{93}Nb, ^{92}, ^{94}, ^{95}, ^{96}, ^{97}, ^{98}, ^{100}Mo, ^{138}Ba, ^{139}La, ^{140}Ce, ^{203}Tl(n,γ),E=24 keV; analyzed σ. ^{44}Ca, ^{53}Cr, ^{57}Fe, ^{89}Sr, ^{90}Y, ^{91}, ^{93}, ^{95}Zr, ^{94}Nb, ^{93}, ^{95}, ^{96}, ^{97}, ^{98}, ^{99}, ^{101}Mo, ^{139}Ba, ^{140}La, ^{141}Ce, ^{204}Tl deduced p-wave strength function.

Keynumber: 1981GRZY
Reference: CEA-N-2195 (1981)
Authors: G.Grenier, J.Voignier, S.Joly
Title: Capture Cross-Section Measurements for Different Elements at Neutron Energies between 0.5 and 3.0 MeV

Keyword abstract: NUCLEAR REACTIONS Rb, ^{89}Y, ^{93}Nb,Gd,W,Pt,Tl, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),E=0.5-3 MeV; measured σ(E). NaI scintillator,γ-detection. Statistical model.

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: 1981AR22
Reference: Yad.Fiz. 34, 1028 (1981)
Authors: L.Ya.Arifov, B.S.Mazitov, V.G.Ulanov
Title: Relative Probability of Isomer Population in Radiative Capture

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{59}Co, ^{68}, ^{70}Zn, ^{74}, ^{76}Ge, ^{80}, ^{82}Se, ^{84}Kr, ^{85}Rb, ^{84}Sr, ^{89}Y, ^{103}Rh, ^{108}, ^{110}Pd, ^{109}Ag, ^{114}Cd, ^{113}, ^{115}In, ^{112}, ^{120}, ^{122}, ^{124}Sn, ^{121}Sb, ^{120}, ^{126}, ^{128}, ^{130}Te, ^{133}Cs, ^{132}Ba, ^{136}, ^{138}Ce, ^{151}Eu, ^{164}Dy, ^{181}Ta, ^{184}W, ^{187}Re, ^{190}Os, ^{191}Ir, ^{196}Pt, ^{196}Hg (n,γ),E=thermal,0.2-2.8 MeV; ^{92}Mo(p,γ),E=1.8-7.4 MeV; analyzed σ(capture) isomer ratio vs E. Statistical theory.

Keynumber: 1980RAZQ
Coden: JOUR BAPSA 25 736,CD8,Raman

Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ), (n,X), (n,n),E=2.60,2.61,3.38,5.71 keV; measured Eγ,Iγ,transmission. ^{90}Y deduced M1,E1 transitions,p-wave resonances. Tof technique,Ge(Li) detector.

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: 1980LI08
Reference: Nucl.Phys. A339, 205 (1980)
Authors: A.Lindholm, L.Nilsson, M.Ahmad, M.Anwar, I.Bergqvist, S.Joly
Title: Direct-Semidirect and Compound Contributions to Radiative Neutron Capture Cross Sections

Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{58}Ni, ^{89}Y, ^{206}Pb(n,γ),E=0.5-11 MeV; measured Eγ,Iγ. ^{41}Ca, ^{59}Ni, ^{90}Y, ^{207}Pb levels deduced production σ(E). Compound nucleus,direct-semidirect model analysis.

Keynumber: 1980DEZK
Reference: Diss.Abst.Int. 41B, 1008 (1980)
Authors: D.J.Decman

Title: Nuclear Spectroscopy of ^{90}Y and ^{92}Nb

Keyword abstract: NUCLEAR REACTIONS ^{91}Zr(t,α), ^{89}Y(n,γ), ^{91}Zr(^{3}He,d),E not given; measured σ(θ). ^{90}Y, ^{92}Nb deduced levels,J,π,L,S.

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: 1979LIZL
Coden: REPT TLU-66/79,Lindholm
Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{59}Ni, ^{89}Y, ^{206}Pb(n,γ),E=2.5-11 MeV; measured Eγ,Iγ,σ. direct-semidirect,compound nucleus model analysis.

Keynumber: 1979KAZI
Reference: NEANDC(J)-61/U, p.94 (1979)
Authors: K.Kayashima, A.Nagao, I.Kumabe
Title: Activation Cross Sections on Ti,Mn,Cu,Zn,Sr,Y,Cd,In and Te for 14.6 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{46}, ^{48}Ti, ^{86}Sr, ^{110}Cd, ^{115}In, ^{122}, ^{124}Te(n,p), ^{50}Ti, ^{63}Cu, ^{89}Y, ^{128}Te(n,γ), ^{55}Mn, ^{66}Zn, ^{86}Sr, ^{89}Y, ^{116}Cd, ^{115}In, ^{120}, ^{122}, ^{124}, ^{130}Te(n,2n),E=14.6 MeV; measured σ. Activation technique.

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: 1979BUZS
Reference: INDC(YUG)-6/L (1979)
Authors: M.Budnar, F.Cvelbar, E.Hodgson, A.Hudoklin, V.Ivkovic, A.Likar, M.V.Mihailovic, R.Martincic, M.Najzer, A.Perdan, M.Potokar, V.Ramsak
Title: Prompt γ-Ray Spectra and Integrated Cross Sections for the Radiative Capture of 14 MeV Neutrons for 28 Natural Targets in the Mass Region from 12 to 208
Keyword abstract: NUCLEAR REACTIONS Mg, ^{27}Al,Si, ^{31}P,S,Ca, ^{45}Sc, ^{51}V,Cr, ^{55}Mn,Fe, ^{59}Co,Cu,Se,Br,Sr, ^{89}Y,In,Sb, ^{127}I,Ba, ^{141}Pr, ^{165}Ho, ^{181}Ta,W,Tl,Pb, ^{209}Bi(n,γ),E=14.6 MeV; measured σ(Eγ).

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: 1978LI07
Reference: Nucl.Phys. A298, 217 (1978)
Authors: A.Likar, A.Lindholm, L.Nilsson, I.Bergqvist, B.Palsson
Title: Angular Distributions of γ-Rays from Fast Neutron Capture in Strontium and Yttrium
Keyword abstract: NUCLEAR REACTIONS ^{88}Sr, ^{89}Y(n,γ),E=7-11 MeV; measured Iγ(E,θ) in GDR,GQR region. Direct-semidirect (dsd) model analysis.

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: 1978BE11
Reference: Nucl.Phys. A295, 256 (1978)
Authors: I.Bergqvist, B.Palsson, L.Nilsson, A.Lindholm, D.M.Drake, E.Arthur, D.K.McDaniels, P.Varghese
Title: Radiative Capture of Fast Neutrons by ^{89}Y and ^{140}Ce
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{140}Ce(n,γ),E=6.2-15.6 MeV; measured σ(n,γ) at 90^0. Compare with theory.

Keynumber: 1978AR22
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 42, 831 (1978); Bull.Acad.Sci.USSR, Phys.Ser. 42, No.4, 120 (1978)
Authors: L.Y.Arifov, B.S.Mazitov, V.G.Ulanov, S.A.Yusupbekova
Title: Measurement of the Relative Probabilities of Excitation of Isomer States during Radiative Capture of Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{59}Co, ^{89}Y, ^{164}Dy, ^{181}Ta, ^{187}Re, ^{191}Ir(n,γ),E=thermal; measured nothing; analyzed data; deduced relative probabilities of excitation of isomeric states.

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: 1977BO38
Reference: Nucl.Sci.Eng. 64, 744 (1977)
Authors: J.W.Boldeman, B.J.Allen, A.R.de L.Musgrove, R.L.Macklin
Title: The Neutron Capture Cross Secion of Yttrium-89
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ),E=2.5-100 keV; measured σ(E,Eγ). ^{90}Y deduced neutron resonance parameters.

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: 1976NAZM
Coden: REPT CEA-R-4729
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ),E=0.01-3.5,14 MeV; analyzed σ.

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: 1975RIZY
Coden: JOUR BAPSA 20 173 IB20
Keyword abstract: NUCLEAR REACTIONS ^{92}, ^{94}, ^{96}, ^{98}Mo, ^{93}Nb, ^{89}Y(n,γ),E approx 24 keV; measured σ(Eγ). ^{93}, ^{95}, ^{97}, ^{99}Mo, ^{94}Nb, ^{90}Y levels deduced S.

Keynumber: 1974LIZE
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P157
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{140}Ce(n,γ),E=6.2-10.9 MeV; measured σ(E,Eγ).

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: 1973RAZA
Coden: CONF Asilomar(Photonuclear Reactions),Vol1 P299
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ); ^{90}Y calculated level-width.

Keynumber: 1973NIZV
Coden: CONF Asilomar(Photonuclear Reactions),Vol2 P949
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{140}Ce(n,γ); measured Eγ. ^{90}Y, ^{141}Ce deduced levels.

Keynumber: 1973MCYZ
Coden: REPT KDK-2 P34
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ); measured σ.

Keynumber: 1973LIZM
Coden: CONF Munich(Nucl Phys),Vol1 P655
Keyword abstract: NUCLEAR REACTIONS ^{89}Y, ^{140}Ce(n,γ); measured Eγ,Iγ.

Keynumber: 1973LAYG
Reference: RCN-191 (1973)
Authors: G.Lautenbach
Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products
Keyword abstract: NUCLEAR REACTIONS ^{81}Br, ^{83}, ^{84}, ^{85}, ^{86}Kr, ^{85}, ^{87}Rb, ^{88}, ^{90}Sr, ^{89}Y, ^{91}, ^{92}, ^{93}, ^{94}, ^{95}, ^{96}Zr, ^{95}, ^{97}, ^{98}, ^{100}Mo, ^{99}Tc, ^{101}, ^{102}, ^{104}, ^{106}Ru, ^{103}Rh, ^{105}, ^{106}, ^{107}, ^{108}, ^{110}Pd, ^{109}Ag, ^{111}, ^{112}, ^{113}, ^{114}Cd, ^{115}In, ^{126}, ^{128}, ^{130}Te, ^{127}, ^{129}I, ^{131}, ^{132}, ^{134}, ^{136}Xe, ^{133}, ^{135}, ^{137}Cs, ^{138}Ba, ^{139}La, ^{140}, ^{142}Ce, ^{141}Pr, ^{143}, ^{144}, ^{145}, ^{146}, ^{148}, ^{150}Nd, ^{147}Pm, ^{147}, ^{148}, ^{149}, ^{150}, ^{151}, ^{152}, ^{154}Sm, ^{153}, ^{154}, ^{155}Eu, ^{155}, ^{156}, ^{157}, ^{158}Gd, ^{159}Tb(n,γ); calculated σ(E).

Keynumber: 1971RYZZ
Reference: Proc.Int.Conf.Chemical Nuclear Data, Measurements and Applications, Canterbury,

England, M.L.Hurrell, Ed., Institution of Civil Engineers, London, p.139 (1971)
Authors: T.B.Ryves
Title: Thermal Neutron Capture Cross Section Measurements at the NPL
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ.

Keynumber: 1971RYZX
Coden: CONF Canterbury(Chem Nucl Data),P139,12/10/72
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}Br, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ; deduced resonance integrals.

Keynumber: 1970EI03
Reference: Z.Phys. 233, 154 (1970)
Authors: J.Eichler, F.Djadali
Title: Beitrag zur Kernspektroskopie an ^{36}Cl, ^{90}Y und ^{40}K durch Messung der Polarisation von γ-Strahlung nach Neutroneneinfang
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{39}K, ^{89}Y(polarized n,γ), E=thermal; measured γ-circular polarization. ^{36}Cl level deduced γ-mixing. ^{40}K, ^{90}Y levels deduced J, π.

Keynumber: 1970DU13
Reference: J.Nucl.Energy 24, 181 (1970)
Authors: N.D.Dudey, R.R.Heinrich, A.A.Madson
Title: Reaction Cross Sections of ^{85}Rb(n,γ)^{86m}Rb, ^{87}Rb(n,γ)^{88}Rb, and ^{89}Y(n,γ)^{90m}Y between 0.16 MeV and 1.5 MeV
Keyword abstract: NUCLEAR REACTIONS ^{85}, ^{87}Rb, ^{89}Y(n,γ),E=0.16-1.5 MeV; measured activation σ(E).

Keynumber: 1969CH30
Reference: Nuovo Cimento 63B, 447 (1969)
Authors: S.N.Chintalapudi, D.L.Sastry, S.Jnanananda
Title: Gamma-Gamma Angular Correlation Measurements from ^{89}Y(n,γ)^{90}Y
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ), E = thermal; measured Eγ, γγ-coin, γγ(θ). ^{90}Y level deduced J, π, γ-multipolarity.

Keynumber: 1968BRZZ
Reference: Program and Theses, Proc.18th Ann.Conf.Nucl.Spectroscopy and Struct.Of At.Nuclei, Riga, p.37 (1968)
Authors: D.L.Broder, B.V.Nesterov, M.V.Panarin, L.P.Khamyanov
Title: Investigation of Capture γ-Rays in ^{59}Co, ^{48}Ti, ^{89}Y and ^{149}Sm with a Ge-Li Spectrometer
Keyword abstract: NUCLEAR REACTIONS ^{48}Ti, ^{59}Co, ^{89}Y, ^{149}Sm(n,γ), E=thermal; measured Eγ, Iγ. ^{49}Ti, ^{60}Co, ^{90}Y, ^{150}Sm deduced transitions. Ge(Li) detectors.

Keynumber: 1967RA24
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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: 1967IR01
Reference: Compt.Rend. 265B, 701(1967)
Authors: J.-L.Irigaray, G.-Y.Petit, R.Samama, B.Maier, P.Carlos, H.Nifenecker
Title: Intensites et Energies des Raies γ dans la Reaction ^{89}Y(n,γ)^{90}Y
Keyword abstract: NUCLEAR REACTIONS ^{89}Y(n,γ),E=thermal; measured Eγ,Iγ; deduced Q.

Keynumber: 1967CS01
Reference: Nucl.Phys. A95, 229(1967)
Authors: J.Csikai, G.Peto, M.Buczko, Z.Miligy, N.A.Eissa
Title: Radiative Capture Cross Sections for 14.7 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{30}Si, ^{31}P, ^{45}Sc, ^{48}Ca, ^{50}Ti, ^{51}V, ^{89}Y, ^{123}Sb, ^{139}La, ^{209}Bi(n,γ), E = 14.7 MeV; measured σ. ^{23}Na, ^{55}Mn, ^{103}Rh, ^{141}Pr, ^{165}Ho, ^{208}Pb(n,γ), E = 13.4-15.0 MeV; measured σ(E). ^{103}Rh(n,γ), E = 13.4-15.0 MeV; measured σ(g)/σ(M); deduced spin cutoff parameter. Enriched ^{30}Si, ^{48}Ca targets.
