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49 reference(s) found :

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: 1989SH31
Reference: J.Nucl.Sci.Technol.(Tokyo) 26, 955 (1989)
Authors: K.Shibata
Title: Calculation of Neutron-Induced Reaction Cross Sections of Manganese-55
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,2n), (n,p), (n,α), (n,np), (n,nα), (n,γ),E

Keynumber: 1989HO21
Reference: Phys.Rev. C40, 2541 (1989)
Authors: Y.-K.Ho, J.-F.Liu, Z.-S.Yuan
Title: Averaged Nonstatistical Effects in the 3s Region for Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E $\leq$ 2 MeV; calculated σ(E). Statistical,nonstatistical contributions.
Keyword abstract: NUCLEAR STRUCTURE A=30-70; calculated neutron capture σ(E). Averaged nonstatistical effects.

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: 1987AI03
Reference: J.Phys.(London) G13, 945 (1987)
Authors: S.Ait-Tahar, P.E.Hodgson
Title: Weisskopf-Ewing Calculations: Neutron-induced reactions
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,n), ^{55}Mn, ^{59}Co, ^{63}, ^{65}Cu(n,p), (n,np), (n,2n), (n,γ), (n,α), (n,nα), (n,t), (n,nd), (n,2p), (n,pα), ^{59}Co, ^{63}, ^{65}Cu(n,n'),E=1-20 MeV; calculated σ(E). Weisskopf-Ewing model.

Keynumber: 1986KR16
Reference: Phys.Rev. C34, 2103 (1986)
Authors: B.Krusche, K.P.Lieb
Title: Dipole Transition Strengths and Level Densities A $\leq$ 80 Odd-Odd Nuclei Obtained from Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{27}Al, ^{31}P, ^{35}Cl, ^{39}, ^{41}K, ^{45}Sc, ^{55}Mn, ^{59}Co, ^{63}, ^{65}Cu, ^{71}Ga, ^{75}As, ^{79}Br(n,γ),E=thermal; analyzed data. ^{20}F, ^{24}Na, ^{28}Al, ^{32}P, ^{36}Cl, ^{40}, ^{42}K, ^{46}Sc,

^{56}Mn, ^{60}Co, ^{64}, ^{66}Cu, ^{72}Ga, ^{76}As, ^{80}Br deduced primary E1,M1 transition strengths,level density parameters. Bethe,constant temperature Fermi gas models.

Keynumber: 1986HI05
Reference: J.Radioanal.Nucl.Chem. 105, 351 (1986)
Authors: P.Z.Hien, T.K.Mai, T.X.Quang, T.N.Thuy
Title: Determination of k_0-Factors by Thermal Neutron Activation Technique

Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{26}Mg, ^{51}V, ^{55}Mn, ^{56}Fe, ^{64}Ni, ^{59}Co, ^{63}Cu, ^{109}Ag, ^{196}, ^{202}Hg(n,γ),E=thermal; measured composite nuclear constant. Activation technique.

Keynumber: 1985MA29
Reference: Nucl.Sci.Eng. 89, 362 (1985)
Authors: R.L.Macklin
Title: Resonance Neutron Capture by Manganese below 2.5 keV
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E <2.5 keV; measured capture σ(E). ^{56}Mn deduced resonances, (gΓγΓn/Γ).

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: 1985AX01
Reference: Ann.Nucl.Energy 12, 315 (1985)
Authors: E.J.Axton
Title: The Thermal-Neutron Capture Cross-Section of ^{55}Mn
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E=thermal; analyzed data; deduced capture σ. Other evaluations input.

Keynumber: 1983SA30
Reference: Aust.J.Phys. 36, 583 (1983)
Authors: D.G.Sargood
Title: Effect of Excited States on Thermonuclear Reaction Rates
Keyword abstract: NUCLEAR REACTIONS,ICPND ^{20}, ^{21}, ^{22}Ne, ^{23}Na, ^{24}, ^{25}, ^{26}Mg, ^{27}Al, ^{28}, ^{29}, ^{30}Si, ^{31}P, ^{32}, ^{33}, ^{34}, ^{36}S, ^{35}, ^{37}Cl, ^{36}, ^{38}, ^{40}Ar, ^{39}, ^{40}, ^{41}K, ^{40}, ^{42}, ^{43}, ^{44}, ^{46}, ^{48}Ca, ^{45}Sc, ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti, ^{50}, ^{51}V, ^{50}, ^{52}, ^{53}, ^{54}Cr, ^{55}Mn, ^{54}, ^{56}, ^{57}, ^{58}Fe, ^{59}Co, ^{58}, ^{60}, ^{61}, ^{62}, ^{64}Ni, ^{63}, ^{65}Cu, ^{64}, ^{66}, ^{67}Zn(n,γ), (n,p), (n,α), (p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p), ^{70}Zn(p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p),E=low; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

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: 1981RI03
Reference: Int.J.Appl.Radiat.Isotop. 32, 219 (1981)
Authors: R.Rieppo
Title: A Study of the Average Neutron Activation Cross Sections of the ^{55}Mn(n,γ)^{56}Mn and ^{115}In(n,γ) ^{116}In Reactions for a ^{241}AmBe Neutron Source
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{115}In(n,γ),E=thermal-0.2 MeV; measured σ (average). Activation technique, ^{241}AmBe source.

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: 1980IS02
Reference: Can.J.Phys. 58, 168 (1980)
Authors: M.A.Islam, T.J.Kennett, S.A.Kerr, W.V.Prestwich
Title: A Self-Consistent Set of Neutron Separation Energies
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{9}Be, ^{14}N, ^{24}, ^{25}Mg, ^{27}Al, ^{28}, ^{29}Si, ^{32}S, ^{35}Cl, ^{40}, ^{44}Ca, ^{47}, ^{48}, ^{49}Ti, ^{50}, ^{52}, ^{53}Cr, ^{55}Mn, ^{54}, ^{56}, ^{57}Fe(n,γ),E=thermal; measured Eγ,Iγ. ^{2}H, ^{10}Be, ^{25}, ^{26}Mg, ^{28}Al, ^{29}, ^{30}Si, ^{33}S, ^{36}Cl, ^{41}, ^{45}Ca, ^{48}, ^{49}, ^{50}Ti, ^{51}, ^{53}, ^{54}Cr, ^{56}Mn, ^{55}, ^{57}, ^{58}Fe deduced Q,neutron binding energy.

Keynumber: 1980GA14
Reference: Rev.Roum.Phys. 25, 107 (1980)
Authors: I.Garlea, C.Miron, E.Popa
Title: Integral Cross Sections Measured in Σ the Σ Spectrum
Keyword abstract: NUCLEAR REACTIONS ^{59}Co, ^{58}Fe, ^{55}Mn, ^{109}Ag(n,γ), ^{54}, ^{56}Fe, ^{59}Co, ^{46}, ^{48}Ti (n,p), ^{59}Co(n,2n), ^{58}, ^{59}Co(n,α),E=thermal; measured integral σ.

Keynumber: 1980DE20
Reference: Nucl.Phys. A341, 45 (1980)
Authors: P.P.J.Delheij, K.Abrahams, W.J.Huiskamp, H.Postma
Title: The ^{55}Mn(n,γ)^{56}Mn Reaction Studied with Polarized Neutrons and Polarized Manganese Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(polarized n,γ),E=0.017 eV; measured Iγ(θ),γ-CP. ^{56}Mn levels deduced J. Natural polarized,unpolarized targets.

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: 1979GAZS

Reference: INDC(RUM)-11/LN, p.28 (1979)

Authors: I.Garlea, C.Miron, E.Popa, M.Lupu

Title: Integral Cross Sections in the $\Sigma\Sigma$ Spectrum for Some Reactions used in Reactor Dosimetry

Keyword abstract: NUCLEAR REACTIONS ^{54}, ^{56}Fe, ^{65}Cu, ^{59}Co, $^{46, 47, 48}$Ti, ^{46}Sc(n,p), ^{55}Mn, ^{63}Cu, ^{59}Co, ^{109}Ag(n,γ), ^{59}Co(n,2n),E=thermal,fast; measured σ.

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 $\sigma(E\gamma)$.

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 $\Gamma\gamma$ to average level spacing. Margolis formula of statistical theory, low energy resonance parameters.

Keynumber: 1978ZA10

Reference: Yad.Fiz. 27, 1534 (1978); Sov.J.Nucl.Phys. 27, 808 (1978)

Authors: D.F.Zaretskii, V.K.Sirotkin

Title: Total Radiative Widths of Neutron Resonances

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{55}Mn, ^{68}Zn, ^{78}Se, ^{88}Sr, ^{96}Mo, ^{107}Ag, ^{116}Sn, ^{129}I, ^{143}Nd, ^{149}Sm, ^{161}Dy, ^{169}Tm, ^{179}Hf, ^{191}Ir, ^{199}Hg, ^{203}Tl, $^{235, 238}$U, ^{243}Am(n,γ); calculated total $\Gamma\gamma$ assuming dipole transitions.

Keynumber: 1978GA20

Reference: Phys.Rev. C18, 2079 (1978)

Authors: J.B.Garg, R.L.Macklin, J.Halperin

Title: Neutron Capture Cross Section of Manganese

Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E=3.0-600 keV; measured $\sigma(E)$. ^{56}Mn deduced neutron resonance parameters,linear correlation,time-of-flight technique,non-hydrogeneous liquid scintillation detector.

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: 1975LOZX
Coden: THESIS DABBB 35B 4103
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{59}Co(n,γ); measured σ(Eγ). ^{56}Mn, ^{60}Co resonances deduced level-width.

Keynumber: 1975CO05
Reference: Can.J.Phys. 53, 236 (1975)
Authors: A.H.Colenbrander, T.J.Kennett
Title: An Investigation of the Reaction ^{55}Mn(n,γ)^{56}Mn
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E=5-7 MeV; measured Eγ,Iγ. ^{56}Mn deduced levels.

Keynumber: 1974VU01
Reference: Lett.Nuovo Cim. 10, 1 (1974)
Authors: J.Vuletin, P.Kulisic, N.Cindro
Title: Activation Cross-Sections of (n,γ) Reactions at 14 MeV
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti, ^{27}Mg, ^{37}Cl, ^{55}Mn, ^{75}As, ^{127}I, ^{138}Ba, ^{141}Pr, ^{170}Er (n,γ),E=14 MeV; measured σ.

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: 1974BO19
Reference: Z.Naturforsch. 29a, 385 (1974)
Authors: H.Borner, O.W.B.Schult
Title: Resonance Neutron Capture in ^{55}Mn and Levels in ^{56}Mn
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E=0.3-2.4 keV; measured Eγ,Iγ,deduced Q. ^{56}Mn deduced transitions.

Keynumber: 1973SCYA
Coden: REPT INDC(SEC)-36/L P8
Keyword abstract: NUCLEAR REACTIONS ^{26}Mg, ^{37}Cl, ^{41}K, ^{55}Mn, ^{71}Ga, ^{81}Br, ^{87}Rb, ^{100}Mo, ^{115}In, ^{127}I, ^{133}Cs, ^{138}Ba, ^{139}La, ^{142}Ce, ^{181}Ta, ^{198}Pt(n,γ); measured σ.

Keynumber: 1973LAYT
Reference: INDC(HUN)-11/L, p.26 (1973)
Authors: L.Lakosi, A.Veres
Title: Activation Experiments of Photo-Neutrons by using ^{24}Na-Be Source
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, $^{114,\ 116}$Cd, ^{115}In, ^{127}I, $^{152,\ 154}$Sm, $^{166,\ 170}$Er,

^{175}Lu, ^{191}, ^{193}Ir(n,γ), ^{107}, ^{109}Ag, ^{111}Cd, ^{115}In, ^{167}Er, ^{176}Lu(n,n'γ); measured σ.

Keynumber: 1972ST06
Reference: Nucl.Phys. A181, 250 (1972)
Authors: F.Stecher-Rasmussen, J.Kopecky, K.Abrahams, W.Ratynski
Title: Circular Polarization of Neutron Capture γ-Rays from Mn, Ni, Ga and W
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{58}, ^{60}, ^{62}Ni, ^{69}, ^{71}Ga, ^{182}, ^{183}, ^{186}W(polarized n,γ),E=thermal; measured γ-CP. ^{56}Mn, ^{59}, ^{61}, ^{63}Ni, ^{70}, ^{72}Ga, ^{183}, ^{184}, ^{187}W levels deduced J,π. Natural targets.

Keynumber: 1972CAYH
Coden: JOUR FZKAA 4 Suppl,59
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{37}Cl, ^{55}Mn, ^{41}K, ^{127}I(n,γ),E=14 MeV; measured activation σ.

Keynumber: 1971VA01
Reference: Nucl.Phys. A160, 367 (1971)
Authors: P.H.M.Van Assche, H.A.Baader, H.R.Koch, B.P.K.Maier, U.Gruber, O.W.Schult, J.B.McGrory, J.R.Comfort, K.Rimawi, R.E.Chrien, O.A.Wasson, D.I.Garber
Title: Energy Levels of ^{56}Mn
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E=thermal,resonance; measured Eγ,Iγ. ^{56}Mn deduced levels,ICC,$T_{1/2}$,B(M1),J,π.

Keynumber: 1971ARZJ
Coden: CONF Legnaro(1f$_{7/2}$ Nuclei),P251

Keyword abstract: NUCLEAR REACTIONS ^{36}Ar, ^{40}Ar, ^{40}K, ^{40}, ^{42}, ^{44}, ^{46}, ^{48}Ca, ^{47}Ti, ^{55}Mn, ^{57}Fe, ^{59}Co(n,γ),E=thermal; surveyed Eγ,Iγ,γγ-coin,γγ(θ),γ-polarization data. ^{37}Ar, ^{41}Ar, ^{41}K, ^{41}, ^{43}, ^{45}, ^{47}, ^{49}Ca, ^{48}Ti, ^{56}Mn, ^{58}Fe, ^{60}Co deduced levels,J,π,γ-mixing.

Keynumber: 1970STZZ
Reference: Thesis, Virginia Poly. (1970); Diss.Abst.Int. 31B, 3638 (1970)
Authors: E.P.Stergakos
Title: Studies of Resonances in ^{23}Na, ^{26}Mg, ^{41}K, ^{55}Mn and ^{59}Co
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{41}K, ^{55}Mn, ^{59}Co(n,γ),E=thermal;measured Eγ,Iγ. ^{24}Na, ^{27}Mg, ^{42}K, ^{56}Mn, ^{60}Co deduced resonances, level-width.

Keynumber: 1970ME14
Reference: Nucl.Phys. A154, 385 (1970)
Authors: J.Mellema, H.Postma
Title: Investigation of Nuclear Level Spins of ^{56}Mn by Means of Nuclear Orientation
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ),E=thermal; measured Iγ,Eγ; deduced Q. ^{56}Mn deduced levels,J,γ-mixing. Ge(Li) detector, enriched target.

Keynumber: 1970CV01
Reference: Nucl.Phys. A158, 251 (1970)
Authors: F.Cvelbar, A.Hudoklin, M.Potokar
Title: Comparison between the Activation Cross Sections and Integrated Cross Sections for the

Radiative Capture of 14 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS Mg, ^{27}Al,Si, ^{31}P, ^{32}S, ^{40}Ca, ^{51}V, ^{52}Cr, ^{55}Mn,Fe,Cu, Br,Se, ^{115}In, ^{127}I,Ba(n,γ),E=14 MeV; measured σ(Eγ); deduced integrated σ.

Keynumber: 1970CHYM

Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P615,10/25/71

Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{63}Cu, ^{75}As, ^{98}Mo, ^{114}Cd, ^{127}I, ^{139}La, ^{141}Pr (n,γ),E=24 keV; measured σ.

Keynumber: 1969VAZY

Reference: Use Reference 71Va01

Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ), E=thermal; measured Eγ, Iγ. ^{56}Mn deduced levels, J, π. Curved-crystal spectrometer.

Keynumber: 1969KO05

Reference: Nucl.Phys. A127, 385 (1969)

Authors: J.Kopecky, E.Warming

Title: Circular Polarization Measurements with a Ge(Li) Detector

Keyword abstract: NUCLEAR REACTIONS ^{32}S, ^{35}Cl, ^{48}Ti, ^{55}Mn, ^{56}Fe, ^{59}Co, ^{63}Cu(polarized n,γ), E = thermal; measured γ circular polarization. ^{33}S, ^{36}Cl, ^{49}Ti, ^{56}Mn, ^{57}Fe, ^{60}Co, ^{64}Cu levels deduced J, γ-mixing. Natural targets.

Keynumber: 1969KE15

Reference: Yadern.Fiz. 10, 907 (1969); Soviet J.Nucl.Phys. 10, 524 (1970)

Authors: J.Kecskemeti, D.Kiss

Title: Measurement of Average Multiplicity in (n,γ) Reactions Induced by Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{31}P, ^{32}S, ^{35}Cl, ^{48}Ti, ^{51}V, ^{53}Cr, ^{52}Cr, ^{55}Mn, ^{56}Fe, ^{59}Co, ^{60}Ni,Ni,Cu, ^{63}Cu, Ge, ^{73}Ge, ^{75}As,Se,Br, Sr, Zr, ^{93}Nb,Mo, ^{103}Rh,Ag(n,γ) E=thermal; measured average γ multiplicity.

Keynumber: 1968TS02

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 32, 1972 (1968); Bull.Acad.Sci.USSR, Phys.Ser. 32, 1816 (1969)

Authors: F.Tsvelbar, A.Khudoklin, M.V.Mikhailovich, M.Naizher, M.Petrishich

Title: Coarse Structure of the Spectra of Gamma Rays Emitted in Radiative Capture of 14.1 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{51}V, ^{52}Cr, ^{55}Mn, ^{56}Fe(n,γ), E=14 MeV; measured σ (Eγ) ; deduced coarse structure.

Keynumber: 1968OR01

Reference: J.Inorg.Nucl.Chem. 30, 1353 (1968)

Authors: E.Orvini, G.Gaggero, L.Lesca, A.M.Bresesti, M.Bresesti

Title: Determination of the Neutron Capture Resonance Integrals of ^{55}Mn, ^{115}In, ^{121}Sb, ^{123}Sb and ^{139}La

Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{115}In, ^{121}, ^{123}Sb, ^{139}La(n,γ),E=epithermal; measured resonance integrals.

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: 1968KA33
Reference: Osterr.Akad.Wiss., Math.-Naturw.Kl., Anz. No.10, 1 (1968)
Authors: B.Karlik
Title: Messungeiniger Einfangsquerschnitte fur schnelle Nautronen
Keyword abstract: NUCLEAR REACTIONS ^{26}Mg, ^{27}Al, ^{37}Cl, ^{51}V, ^{55}Mn, ^{65}Cu, ^{68}Zn, ^{75}As, ^{115}In, ^{127}I, ^{138}Ba(n,γ),E=2.9 MeV; measured σ.

Keynumber: 1968COZW
Coden: REPT UCRL-tr-10603,J Colditz,1/3/73
Keyword abstract: NUCLEAR REACTIONS ^{26}Mg, ^{27}Al, ^{37}Cl, ^{51}V, ^{55}Mn, ^{65}Cu, ^{66}Zn, ^{75}As, ^{115}In, ^{127}I, ^{138}Ba(n,γ),E=2.9 MeV; measured σ.

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.

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Reference: Nucl.Phys. 73, 499(1965)
Authors: O.A.Wasson, J.E.Draper
Title: Search for Direct Neutron Capture in Manganese
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn(n,γ), E = 5-4000 ev; measured Iγ(E) for high, low Eγ; deduced interference between capture, resonance.