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21 reference(s) found :

Keynumber: 1999ZHZU

Reference: INDC(CPR)-048/L, p.52 (1999)

Authors: S.Zhang, B.Yu, Z.Zhang

Title: Calculation and Analysis of $n + {}^{69,71}\text{Ga}$ Reaction

Keyword abstract: NUCLEAR REACTIONS ${}^{69, 71}\text{Ga}(n,n)$, (n,n') , (n,γ) , (n,p) , (n,α) , (n,np) , $(n,2n)$, (n,t) , $(n,n\alpha)$, ${}^{71}\text{Ga}(n,d)$, $(n,3n)$, $E < 0$ MeV; calculated σ . Comparison to data. Optical Model Calculations.

Keynumber: 1999ZHZZ

Reference: INDC(CPR)-049/L, p.107 (1999)

Authors: S.Zhang, B.Yu

Title: Evaluation of Complete Neutron Nuclear Data for ${}^{69,71}\text{Ga}$

Keyword abstract: NUCLEAR REACTIONS ${}^{69, 71}\text{Ga}(n,X)$, (n,n) , (n,n') , (n,γ) , (n,p) , (n,α) , (n,np) , (n,d) , $(n,2n)$, (n,t) , $(n,n\alpha)$, $(n,3n)$, $E \leq 20$ MeV; compiled, evaluated σ data. Comparison with statistical model calculations.

Keynumber: 1998SHZX

Reference: INDC(CPR)-044/L, p.12 (1998)

Authors: Z.Shi, J.Chen, G.Zhang, G.Tang, H.Lu, X.Huang

Title: Measurement of Neutron Capture Cross Section for ${}^{71}\text{Ga}$

Keyword abstract: NUCLEAR REACTIONS ${}^{71}\text{Ga}(n,\gamma)$, $E=0.3-1.6$ MeV; measured σ . Activation technique.

Keynumber: 1998HUZY

Reference: INDC(CPR)-045 (1998)

Authors: X.Huang, H.Lu, W.Zhao, W.Yu, X.Han

Title: Neutron Activation Cross Section Measurements and Evaluations in CIAE

Keyword abstract: NUCLEAR REACTIONS ${}^{46, 47}\text{Ti}$, ${}^{54, 56}\text{Fe}$, ${}^{59}\text{Co}$, ${}^{58, 60}\text{Ni}$, ${}^{64}\text{Zn}$, ${}^{92}\text{Mo}(n,p)$, ${}^{54}\text{Fe}$, ${}^{62}\text{Ni}$, ${}^{63}\text{Cu}(n,\alpha)$, ${}^{58}\text{Ni}(n,np)$, ${}^{71}\text{Ga}$, ${}^{159}\text{Tb}$, ${}^{169}\text{Tm}(n,\gamma)$, ${}^{85}\text{Rb}$, ${}^{93}\text{Nb}$, ${}^{140}\text{Ce}$, ${}^{175}\text{Lu}$, ${}^{176}\text{Hf}$, ${}^{181}\text{Ta}$, ${}^{185, 187}\text{Re}(n,2n)$, $E \approx 5-20$ MeV; measured activation σ .

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 ${}^{19}\text{F}$, ${}^{23}\text{Na}$, ${}^{27}\text{Al}$, ${}^{31}\text{P}$, ${}^{35}\text{Cl}$, ${}^{39, 41}\text{K}$, ${}^{45}\text{Sc}$, ${}^{55}\text{Mn}$, ${}^{59}\text{Co}$, ${}^{63, 65}\text{Cu}$, ${}^{71}\text{Ga}$, ${}^{75}\text{As}$, ${}^{79}\text{Br}(n,\gamma)$, $E=\text{thermal}$; analyzed data. ${}^{20}\text{F}$, ${}^{24}\text{Na}$, ${}^{28}\text{Al}$, ${}^{32}\text{P}$, ${}^{36}\text{Cl}$, ${}^{40, 42}\text{K}$, ${}^{46}\text{Sc}$, ${}^{56}\text{Mn}$, ${}^{60}\text{Co}$, ${}^{64, 66}\text{Cu}$, ${}^{72}\text{Ga}$, ${}^{76}\text{As}$, ${}^{80}\text{Br}$ deduced primary E1,M1 transition strengths,level density parameters. Bethe,constant temperature Fermi gas 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 $^{58}\text{Ni}(n,2n)$, $^{27}\text{Al}(n,\alpha)$, ^{56}Fe , ^{65}Cu , ^{24}Mg , $^{58}\text{Ni}(n,p)$, ^{23}Na , ^{55}Mn , ^{64}Ni , ^{71}Ga , ^{81}Br , ^{109}Ag , ^{115}In , $^{197}\text{Au}(n,\gamma)$, $E=\text{thermal}-14.4\text{ MeV}$; measured thermal, absorption σ , reaction rates. Neutron activation analysis.

Keynumber: 1983WAZQ

Reference: NEANDC(E)-242U, Vol.V, p.7 (1983)

Authors: G.Walter, H.Beer

Title: Neutron Capture Cross Sections at 25 keV by the Activation Method

Keyword abstract: NUCLEAR REACTIONS ^{71}Ga , ^{75}As , 79 , ^{81}Br , ^{86}Kr , 85 , $^{87}\text{Rb}(n,\gamma)$, $E=25\text{ keV}$; measured Maxwellian averaged σ . Gold standard.

Keynumber: 1980PIZN

Coden: CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko

Keyword abstract: NUCLEAR REACTIONS 22 , ^{23}Na , Mg , 24 , 25 , ^{26}Mg , ^{27}Al , Si , 28 , 29 , ^{30}Si , ^{31}P , S , 32 , 33 , ^{34}S , Cl , 35 , 36 , ^{37}Cl , Ar , 36 , 38 , ^{40}Ar , K , 39 , 40 , ^{41}K , Ca , 40 , 42 , 43 , 44 , 46 , ^{48}Ca , 45 , ^{46}Sc , Ti , 46 , 47 , 48 , 49 , ^{50}Ti , V , 50 , ^{51}V , Cr , 50 , 52 , 53 , ^{54}Cr , Fe , 54 , 56 , 57 , ^{58}Fe , ^{59}Co , Ni , 58 , 59 , 60 , 61 , 62 , ^{64}Ni , Cu , 63 , ^{65}Cu , Zn , 64 , 66 , 67 , 68 , ^{70}Zn , Ga , 69 , $^{71}\text{Ga}(n,\gamma)$, (n,n) , (n,α) , $E=\text{thermal}$; evaluated σ , radiative capture resonance integrals.

Keynumber: 1979AN22

Reference: Nuovo Cim. 50A, 247 (1979)

Authors: R.P.Anand, M.L.Jhingan, D.Bhattacharya, E.Kondaiah

Title: 25 keV-Neutron Capture Cross-Sections

Keyword abstract: NUCLEAR REACTIONS ^{51}V , ^{63}Cu , ^{71}Ga , ^{74}Ge , ^{75}As , 98 , ^{100}Mo , ^{104}Ru , ^{115}In , ^{116}Cd , 122 , ^{124}Sn , 128 , ^{130}Te , ^{139}La , 140 , ^{142}Ce , ^{165}Ho , 185 , $^{187}\text{Re}(n,\gamma)$, $E=25\text{ keV}$; measured σ ; deduced rapid, slow capture processes.

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 , $^{232}\text{Th}(n,\gamma)$, $E=24\text{ keV}$; calculated σ ; deduced ratio of average $\Gamma\gamma$ to average level spacing. Margolis formula of statistical theory, low energy 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 , $^{197}\text{Au}(n,\gamma)$, $E=14.6\text{ MeV}$; measured σ . Natural targets.

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 , $^{198}\text{Pt}(n,\gamma)$; 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 , $^{197}\text{Au}(n,\gamma)$; calculated $\sigma(E)$.

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: 1971ZA09

Reference: Ukr.Fiz.Zh. 16, 1204 (1971)

Authors: G.G.Zarkin, I.A.Korzh, M.V.Pasechnik, N.T.Skylar

Title: Radiative Capture Cross-Sections of High-Speed Neutrons by Isotopes Ga^{69} , Ga^{71} , La^{139} and Pr^{141}

Keyword abstract: NUCLEAR REACTIONS 69 , ^{71}Ga , ^{139}La , $^{141}\text{Pr}(n,\gamma)$, $E=0.2-6$ MeV; measured σ (E).

Keynumber: 1971VE03

Reference: Phys.Rev. C3, 1570 (1971)

Authors: J.Vervier, H.H.Bolotin

Title: Low-Lying Excited States of Ga^{70} and Ga^{72} Populated in Thermal-Neutron Capture

Keyword abstract: NUCLEAR REACTIONS 69 , $^{71}\text{Ga}(n,\gamma)$, E =thermal; measured $E\gamma, I\gamma$; deduced Q . 70 , ^{72}Ga deduced levels, γ -branching.

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: 1971RAZF

Reference: INR-1262 (1971)

Authors: W.Ratynski

Title: Circular Polarization of Gamma Rays

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , 69 , ^{71}Ga , 182 , ^{183}W , $^{186}\text{W}(n,\gamma)$, $E=\text{thermal}$; measured γ -polarization. ^{28}Al , 70 , ^{72}Ga , 183 , 184 , ^{187}W levels deduced J,π .

Keynumber: 1970MA65

Reference: Indian J.Phys. 44, 204 (1970)

Authors: M.Majumder

Title: Capture Cross Section of 14 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{71}Ga , ^{75}As , ^{127}I , ^{138}Ba , $^{141}\text{Pr}(n,\gamma)$, $E=14.8\text{ MeV}$; measured σ . Activation method.

Keynumber: 1970LI04

Reference: Ark.Fys. 40, 197 (1970)

Authors: H.Linusson, R.Hardell, S.E.Arnell

Title: Low Lying Energy Levels in Ga^{70} and Ga^{72} Excited in Thermal Neutron Capture Reactions

Keyword abstract: NUCLEAR REACTIONS 69 , $^{71}\text{Ga}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$; deduced Q . 70 , ^{72}Ga deduced levels.
