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23 reference(s) found :

Keynumber: 1999MAZV

Reference: INDC(CPR)-048/L, p.83 (1999)

Authors: G.Ma

Title: Evaluation of Activation Cross Sections for (n,2n) and (n, γ) Reactions on $^{63,65}\text{NatCu}$

Keyword abstract: NUCLEAR REACTIONS Cu, 63 , $^{65}\text{Cu}(n,2n)$, (n, γ), $E < 0$ MeV; compiled, evaluated σ .

Keynumber: 1999MAZP

Reference: INDC(CPR)-049/L, p.64 (1999)

Authors: G.Ma, X.Liu

Title: Evaluation of Complete Neutron Nuclear Data for ^{65}Cu

Keyword abstract: NUCLEAR REACTIONS $^{65}\text{Cu}(n,X)$, (n,n'), (n,2n), (n,p), (n,np), (n, α), (n,n α), (n,d), (n, γ), $E \leq 20$ MeV; compiled, evaluated σ , $\sigma(\theta)$, neutron spectra data. Comparison with statistical model calculations.

Keynumber: 1988KR07

Reference: J.Phys.(London) G14, Supplement S183 (1988)

Authors: B.Krusche, K.P.Lieb

Title: Gamma-Ray Flux in $A \leq 80$ Odd-Odd Nuclei after Thermal Neutron Capture

Keyword abstract: NUCLEAR STRUCTURE ^{46}Sc , ^{72}Ga ; analyzed capture data; deduced $\Gamma\gamma$ vs excitation energy.

Keyword abstract: NUCLEAR REACTIONS ^{41}K , $^{65}\text{Cu}(n,\gamma)$, E not given; calculated $E\gamma$, $I\gamma$. Monte-Carlo simulation.

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 $^{55}\text{Mn}(n,n)$, ^{55}Mn , ^{59}Co , 63 , $^{65}\text{Cu}(n,p)$, (n,np), (n,2n), (n, γ), (n, α), (n,n α), (n,t), (n,nd), (n,2p), (n,p α), ^{59}Co , 63 , $^{65}\text{Cu}(n,n')$, $E=1-20$ MeV; calculated $\sigma(E)$. Weisskopf-Ewing 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 , $^{205}\text{Tl}(n,\gamma)$, $E=0.5-3$ MeV; measured absolute $\sigma(E)$; deduced capture γ -multiplicity.

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 , $^{79}\text{Br}(n,\gamma)$, $E=\text{thermal}$; 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: 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 , $^{67}\text{Zn}(n,\gamma)$, (n,p) , (n,α) , (p,γ) , (p,n) , (p,α) , (α,γ) , (α,n) , (α,p) , $^{70}\text{Zn}(p,\gamma)$, (p,n) , (p,α) , (α,γ) , (α,n) , (α,p) , $E=\text{low}$; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

Keynumber: 1983DE29

Reference: Nucl.Phys. A404, 250 (1983)

Authors: M.G.Delfini, J.Kopecky, R.E.Chrien, H.I.Liou, P.M.Endt

Title: Study of the $^{65}\text{Cu}(n,\gamma)^{66}\text{Cu}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{65}\text{Cu}(n,\gamma)$, $(\text{polarized } n,\gamma)$, $E=\text{thermal}, 2, 24 \text{ keV}$; measured $E_\gamma, I_\gamma, \gamma \text{ CP}$; deduced Q-value. ^{66}Cu deduced levels, J, π, γ -branching. Enriched targets.

Keynumber: 1982GRZP

Reference: NEANDC(E)-232-L, p.67 (1982)

Authors: G.Grenier, S.Joly, J.Voignier

Title: Sections Efficaces de Capture Radiative de Neutrons Rapides

Keyword abstract: NUCLEAR REACTIONS Cu , 63 , $^{65}\text{Cu}(n,\gamma)$, $E=0.5-3 \text{ MeV}$; measured absolute σ (capture) vs E .

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: 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 , $^{232}\text{Th}(n,\gamma)$, $E=24$ keV; calculated σ ; deduced ratio of average $\Gamma\gamma$ to average level spacing. Margolis formula of statistical theory, low energy resonance parameters.

Keynumber: 1977PA05

Reference: Phys.Rev. C15, 615 (1977)

Authors: M.S.Pandey, J.B.Garg, R.Macklin, J.Halperin

Title: High-Resolution Neutron Capture Cross Sections in ^{63}Cu and ^{65}Cu . II

Keyword abstract: NUCLEAR REACTIONS 63 , $^{65}\text{Cu}(n,\gamma)$, $E < 50$ keV; measured $\sigma(E,E\gamma)$. 64 , ^{66}Cu deduced neutron resonances, parameters.

Keynumber: 1974DIZZ

Coden: JOUR ZEPYA 265 No5 abstracts (Dilg)

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{51}V , 63 , ^{65}Cu , $^{103}\text{Rh}(n,\gamma)$; measured $\sigma(E)$.

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: 1973RAZL

Coden: REPT EANDC(E)157-U,P44

Keyword abstract: NUCLEAR REACTIONS ^{59}Co , 63 , $^{65}\text{Cu}(n,\gamma)$; measured $E\gamma$. ^{60}Co , 64 , ^{65}Cu deduced levels.

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) , $E=\text{thermal}$; 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) , $E=\text{thermal}$; measured σ ; deduced resonance integrals.

Keynumber: 1970ST12

Reference: Phys.Rev. C1, 1468 (1970)

Authors: W.E.Stein, B.W.Thomas, E.R.Rae

Title: Gamma-Ray Spectra of ^{64}Cu and ^{66}Cu Following Resonant-Neutron Capture

Keyword abstract: NUCLEAR REACTIONS 63 , $^{65}\text{Cu}(n,\gamma)$, $E=\text{thermal}$, < 2.7 keV; measured $E\gamma$, $I\gamma$. 64 , ^{66}Cu deduced resonances, J , π .

Keynumber: 1968WE18

Reference: Z.Physik 213, 411 (1968)

Authors: H.Weigmann, J.Winter

Title: Neutron Radiative Capture in Cu

Keyword abstract: NUCLEAR REACTIONS $^{63}, ^{65}\text{Cu}(n,\gamma), E=200 \text{ eV}-16.5 \text{ keV}$; measured $\sigma(E)$. $^{64}, ^{66}\text{Cu}$ deduced resonances, J, level-width.

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 $^{26}\text{Mg}, ^{27}\text{Al}, ^{37}\text{Cl}, ^{51}\text{V}, ^{55}\text{Mn}, ^{65}\text{Cu}, ^{68}\text{Zn}, ^{75}\text{As}, ^{115}\text{In}, ^{127}\text{I}, ^{138}\text{Ba}(n,\gamma), E=2.9 \text{ MeV}$; measured σ .

Keynumber: 1968COZW

Coden: REPT UCRL-tr-10603, J Colditz, 1/3/73

Keyword abstract: NUCLEAR REACTIONS $^{26}\text{Mg}, ^{27}\text{Al}, ^{37}\text{Cl}, ^{51}\text{V}, ^{55}\text{Mn}, ^{65}\text{Cu}, ^{66}\text{Zn}, ^{75}\text{As}, ^{115}\text{In}, ^{127}\text{I}, ^{138}\text{Ba}(n,\gamma), E=2.9 \text{ MeV}$; measured σ .

Keynumber: 1968AL05

Reference: Nucl.Phys. A111, 1 (1968)

Authors: B.J.Allen

Title: Averaged Intensities of Primary Gamma Rays After keV Neutron Capture in copper

Keyword abstract: NUCLEAR REACTIONS $^{63}, ^{65}\text{Cu}(n,\gamma), E=10-60 \text{ keV}$; measured $\sigma(E;E\gamma)$. ^{64}Cu deduced γ -transition strengths. Natural 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 $^6\text{Li}, ^7\text{Li}, ^9\text{Be}, ^{10}\text{B}, ^{12}\text{C}, ^{14}\text{N}, ^{19}\text{F}, ^{23}\text{Na}, ^{24}\text{Mg}, ^{25}\text{Mg}, ^{26}\text{Mg}, ^{27}\text{Al}, ^{28}\text{Si}, ^{31}\text{P}, ^{32}\text{S}, ^{35}\text{Cl}, ^{40}\text{Ca}, ^{45}\text{Sc}, ^{48}\text{Ti}, ^{51}\text{V}, ^{55}\text{Mn}, ^{54}\text{Fe}, ^{56}\text{Fe}, ^{59}\text{Co}, ^{58}\text{Ni}, ^{60}\text{Ni}, ^{63}\text{Cu}, ^{65}\text{Cu}, ^{66}\text{Zn}, ^{67}\text{Zn}, ^{73}\text{Ge}, ^{76}\text{Se}, ^{85}\text{Rb}, ^{87}\text{Rb}, ^{89}\text{Y}, ^{93}\text{Nb}, ^{103}\text{Rh}, ^{113}\text{Cd}, ^{123}\text{Te}, ^{133}\text{Cs}, ^{139}\text{La}, ^{141}\text{Pr}, ^{149}\text{Sm}, ^{153}\text{Eu}, ^{157}\text{Gd}, ^{159}\text{Tb}, ^{165}\text{Ho}, ^{167}\text{Er}, ^{169}\text{Tm}, ^{181}\text{Ta}, ^{182}\text{W}, ^{195}\text{Pt}, ^{197}\text{Au}, ^{199}\text{Hg}, ^{203}\text{Tl}, ^{207}\text{Pb}(n,\gamma), E = \text{thermal}$; measured $E\gamma$; deduced Q. Natural targets.