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41 reference(s) found :

Keynumber: 2001BOZU

Reference: JINR-E3-2001-55 (2001)

Authors: S.B.Borzakov, R.E.Chrien, H.Faikow-Stanczyk, Yu.V.Grigoriev, Ts.Ts.Panteleev, S.Pospisil, L.M.Smotritsky, S.A.Telezhnikov

Title: An Accurate Redetermination of the ^{118}Sn Binding Energy

Keyword abstract: NUCLEAR REACTIONS ^{56}Fe , ^{63}Cu , $^{117}\text{Sn}(n,\gamma)$, E=thermal; measured $E\gamma$, $I\gamma$. ^{57}Fe , ^{64}Cu , ^{118}Sn deduced binding energies.

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: 1997ROZZ

Reference: INDC(CPR)-042/L, p.93 (1997)

Authors: J.Rong, G.Lui

Title: The Integral Test of the Reactor Dosimetry Data

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , 46 , 47 , ^{48}Ti , 54 , ^{56}Fe , 58 , ^{60}Ni , $^{32}\text{S}(n,p)$, ^{27}Al , ^{59}Co , $^{63}\text{Cu}(n,\alpha)$, ^{55}Mn , ^{59}Co , ^{58}Ni , $^{65}\text{Cu}(n,2n)$, ^{23}Na , ^{45}Sc , ^{59}Co , ^{58}Fe , ^{63}Cu , ^{115}In , ^{197}Au , ^{232}Th , $^{238}\text{U}(n,\gamma)$, 235 , ^{238}U , ^{232}Th , ^{237}Np , $^{239}\text{Pu}(n,F)$, 47 , $^{48}\text{Ti}(n,np)$, ^6Li , ^{10}B , $^{115}\text{In}(n,X)$, E=reactor; calculated spectrum averaged σ . Several data libraries compared.

Keynumber: 1997RO26

Reference: IEEE Trans.Instrum.Meas. 46, 560 (1997)

Authors: S.Rottger, A.Paul, U.Keyser

Title: Prompt (n, γ)-Spectrometry for the Isotopic Analysis of Silicon Crystals for the Avogadro Project

Keyword abstract: NUCLEAR REACTIONS ^1H , ^{14}N , 28 , ^{29}Si , ^{56}Fe , ^{27}Al , $^{63}\text{Cu}(n,\gamma)$, E=thermal; measured $E\gamma$, $I\gamma$.

Keyword abstract: ATOMIC MASSES 1 , ^2H , 14 , ^{15}N , 28 , 29 , 30 , 31 , ^{32}Si , 56 , ^{57}Fe ; measured neutron-induced γ spectra; deduced mass differences.

Keynumber: 1990KO52

Reference: At.Energ. 69, 329 (1990); Sov.At.Energy 69, 987 (1991)

Authors: S.A.Konakov, D.Yu.Chuvilin

Title: Systematic Errors Using a Multicomponent Activation Detector to Determine the Neutron Flux of ^{252}Cf Fission

Keyword abstract: NUCLEAR REACTIONS ^{63}Cu , $^{115}\text{In}(n,\gamma)$, ^{103}Rh , $^{115}\text{In}(n,n)$, ^{237}Np , $^{239}\text{Pu}(n,F)$, ^{58}Ni , ^{64}Zn , ^{54}Fe , ^{47}Ti , $^{27}\text{Al}(n,p)$, $^{63}\text{Cu}(n,2n)$, E=fission; analyzed data; deduced average activation σ .

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) , $(n,n\alpha)$, (n,t) , (n,nd) , $(n,2p)$, $(n,p\alpha)$, ^{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: 1986OK02

Reference: Radiat.Eff. 93, 205 (1986)

Authors: A.Okazaki, R.T.Jones

Title: Measured Dependence of Some Effective Cross Sections on Thermal Neutron Temperatures in the Range -195°C to 297°C

Keyword abstract: NUCLEAR REACTIONS 233 , ^{235}U , $^{239}\text{Pu}(n,F)$, ^{238}U , ^{232}Th , ^{63}Cu , ^{115}In , ^{176}Lu , $^{197}\text{Au}(n,\gamma)$, $E=\text{thermal}$; measured effective σ vs temperature in Maxwellian distribution for fission,capture.

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: 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 , $^{202}\text{Hg}(n,\gamma)$, $E=\text{thermal}$; measured composite nuclear constant. Activation technique.

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=low; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

Keynumber: 1983DE28

Reference: Nucl.Phys. A404, 225 (1983); Erratum Nucl.Phys. A410, 513 (1983)

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

Title: Study of the $^{63}\text{Cu}(n,\gamma)^{64}\text{Cu}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{63}\text{Cu}(n,\gamma)$, E=thermal, 2, 24 keV; measured E_γ, I_γ ; deduced Q-value. ^{64}Cu deduced levels, J, π , γ -branching. Enriched, oriented, unoriented 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 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=thermal; evaluated σ , radiative capture resonance integrals.

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 , $^{124}\text{Te}(n,p)$, ^{50}Ti , ^{63}Cu , ^{89}Y , $^{128}\text{Te}(n,\gamma)$, ^{55}Mn , ^{66}Zn , ^{86}Sr , ^{89}Y , ^{116}Cd , ^{115}In , 120 , 122 , 124 , $^{130}\text{Te}(n,2n)$, E=14.6 MeV; measured σ . Activation technique.

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 , $^{46}\text{Sc}(n,p)$, ^{55}Mn , ^{63}Cu , ^{59}Co , $^{109}\text{Ag}(n,\gamma)$, $^{59}\text{Co}(n,2n)$, E=thermal, fast; measured σ .

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 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 , $^{232}\text{Th}(n,\gamma)$, $E=24$ 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: 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 , $^{203}\text{Tl}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{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: 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: 1973RAXV

Coden: REPT COO-2176-20 P2

Keyword abstract: NUCLEAR REACTIONS $^{63}\text{Cu}(n,\gamma)$; analyzed data. ^{64}Cu levels deduced σ .

Keynumber: 1973MU20

Reference: Nucl.Phys. A213, 35 (1973)

Authors: M.Sriramachandra Murty, K.Siddappa, J.Rama Rao

Title: Structure of 3P Size Resonance in Neutron Strength Functions

Keyword abstract: NUCLEAR REACTIONS ^{63}Cu , ^{68}Zn , 74 , ^{80}Se , ^{81}Br , 85 , ^{87}Rb , 96 , 102 , ^{104}Ru , 98 , ^{100}Mo , ^{108}Pd , ^{109}Ag , 113 , ^{115}In , 121 , ^{123}Sb , ^{133}Cs , ^{138}Ba , $^{140}\text{Ce}(n,\gamma)$, $E=18-28$ keV; measured σ , extracted p-wave neutron strength function.

Keynumber: 1973ABZV

Coden: REPT EANDC(E)157-U,P118

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , 64 , 66 , ^{68}Zn , ^{29}Si , ^{63}Cu , ^{72}Ge , ^{183}W (polarized n, γ); measured $E\gamma$, CP(γ ,X). 65 , 65 , ^{65}Zn , ^{30}Si , ^{64}Cu , ^{73}Ge , ^{184}W deduced levels, ^{24}Na resonance deduced J, π .

Keynumber: 1973ABZM

Coden: REPT INDC(SEC)-36/L P37

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{29}Si , ^{63}Cu , ^{72}Ge , 64 , 66 , ^{68}Zn , $^{183}\text{W}(n,\gamma)$; measured $E\gamma$.

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: 1971HO40

Reference: Comment.Phys.-Math. 41, 311 (1971)

Authors: P.Holmberg, P.Passì, R.Rieppo

Title: Study of Levels in ^{64}Cu from Thermal Neutron Capture in Natural Copper

Keyword abstract: NUCLEAR REACTIONS $^{63}\text{Cu}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$. ^{64}Cu deduced levels. Ge(Li) detector.

Keynumber: 1971BIZV

Coden: REPT ORNL-TM-3379, J R Bird,9/14/71

Keyword abstract: NUCLEAR REACTIONS F,Na,Mg,Al,S, ^{35}Cl ,K,Ca, 40 , 42 , ^{44}Ca ,Ti,V,Fe, 54 , ^{56}Fe ,Ni, 58 , ^{60}Ni , ^{63}Cu ,Zn(n, γ), $E=10-100$ keV; measured $E\gamma$, $I\gamma$. 9 inx 12 in NaI detector.

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=thermal, <2.7 keV; measured $E\gamma$, $I\gamma$. $^{64}, ^{66}\text{Cu}$ deduced resonances, J, π .

Keynumber: 1970DI03

Reference: Acta Phys. 28, 257 (1970)

Authors: M.Diksic, P.Strohal, G.Peto, P.Bornemisza-Pausperth, I.Hunyadi, J.Karolyi

Title: Additional Measurements of the Radiative Capture Cross Sections for 3 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{63}Cu , ^{74}Ge , ^{75}As , ^{80}Se , ^{81}Br , ^{130}Te , ^{141}Pr , ^{186}W , ^{209}Bi (n, γ), E=3 MeV; measured σ . ^{75}Ge , ^{81}Se , ^{142}Pr deduced isomeric σ ratios, spin cut-off parameters.

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: 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: 1969BOZU

Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p.15 (1969)

Authors: H.H.Bolotin

Title: Thermal-Neutron Capture Gamma-Gamma Coincidence Studies and Techniques

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{63}Cu , ^{176}Lu , ^{209}Bi (n, γ),E=thermal; measured $\gamma\gamma$ -coin. ^{46}Sc , ^{64}Cu , ^{177}Lu , ^{210}Bi deduced levels,J, π , γ -branching.

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 eV-16.5 keV; measured $\sigma(E)$. $^{64}, ^{66}\text{Cu}$ deduced resonances,J,level-width.

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 $^{63}, ^{65}\text{Cu}(n,\gamma)$, $E=10-60$ keV; measured $\sigma(E;E\gamma)$. ^{64}Cu deduced γ -transition strengths. Natural target, Ge(Li) detector.

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