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32 reference(s) found :

Keynumber: 2000ZHZT

Reference: INDC(CPR)-052/L, p.1 (2000)

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

Title: Measurement of Cross Sections of the $^{75}\text{As}(n,\gamma)^{76}\text{As}$ Reaction

Keyword abstract: NUCLEAR REACTIONS ^{75}As , $^{197}\text{Au}(n,\gamma)$, $E=0.50, 1.15, 1.50$ MeV; measured σ . Activation technique, comparisons with previous results.

Keynumber: 1997KA47

Reference: J.Radioanal.Nucl.Chem. 215, 193 (1997)

Authors: S.I.Kafala, T.D.MacMahon, S.B.Borzakov

Title: Neutron Activation for Precise Nuclear Data

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{50}Cr , ^{59}Co , ^{64}Zn , ^{75}As , ^{85}Rb , ^{113}In , 121 , ^{123}Sb , ^{130}Ba , ^{133}Cs , ^{139}La , 140 , ^{142}Ce , ^{146}Nd , 151 , ^{153}Eu , ^{152}Gd , ^{152}Sm , ^{159}Tb , ^{165}Ho , ^{174}Yb , ^{180}Hf , ^{181}Ta , ^{186}W , ^{232}Pa , $^{238}\text{Np}(n,\gamma)$, $E=\text{reactor}$; measured $E\gamma, I\gamma$; deduced capture σ , resonance integral, least-squares fit parameters. Multi-element standard.

Keynumber: 1995RA25

Reference: J.Radioanal.Nucl.Chem. 189, 51 (1995)

Authors: M.U.Rajput, T.D.Mac Mahon

Title: Measurements of Thermal Neutron Cross Section and Resonance Integrals of ^{74}Se , ^{75}As , ^{94}Zr , ^{134}Cs , ^{238}U

Keyword abstract: NUCLEAR REACTIONS ^{74}Se , ^{75}As , ^{94}Zr , ^{134}Cs , $^{238}\text{U}(n,\gamma)$, $E=\text{thermal}$; measured σ , resonance integrals. Activation technique, high resolution γ -detector.

Keynumber: 1990HO10

Reference: Nucl.Phys. A512, 189 (1990)

Authors: F.Hoyler, J.Jolie, G.G.Colvin, H.G.Borner, K.Schreckenbach, P.Van Isacker, P.Fettweis, H.Gokturk, J.C.Dehaes, R.F.Casten, D.D.Warner, A.M.Bruce

Title: Spectroscopy of the Odd-Odd Nucleus ^{76}As and Its Supersymmetric Description

Keyword abstract: NUCLEAR REACTIONS $^{75}\text{As}(n,\gamma)$, $E=\text{thermal}, 2, 24$ keV; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. $^{75}\text{As}(n,e^-)$, $E=\text{thermal}$; measured $I(\text{ce})$. ^{76}As deduced levels, transitions, γ -multipolarity, J, π . Germanium detector, Germanium pair spectrometers, curved crystal spectrometers, magnetic conversion electron spectrometer. Interacting boson-fermion-fermion model for odd-odd nuclei, vibrational symmetry limit.

Keyword abstract: NUCLEAR STRUCTURE 76 , ^{77}Se , 75 , ^{76}As ; calculated levels; deduced supersymmetry classification scheme. Interacting boson-fermion-fermion model for odd-odd nuclei, vibrational symmetry limit.

Keynumber: 1988MA24

Reference: Nucl.Sci.Eng. 99, 133 (1988)

Authors: R.L.Macklin

Title: Neutron Capture by ^{79}Br , ^{81}Br , and ^{75}As

Keyword abstract: NUCLEAR REACTIONS 79 , ^{81}Br , $^{75}\text{As}(n,\gamma)$, $E \leq 700$ keV; measured capture $\sigma(E)$; deduced Maxwellian $\langle s \rangle$ ^{76}As deduced resonances, $(g\Gamma_n\Gamma_\gamma)/\Gamma, \Gamma$. 80 , ^{82}Br deduced resonances, J, π, Γ ,

($g\Gamma n\Gamma\gamma$)/ Γ .

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 , $^{39,41}\text{K}$, ^{45}Sc , ^{55}Mn , ^{59}Co , $^{63,65}\text{Cu}$, ^{71}Ga , ^{75}As , $^{79}\text{Br}(n,\gamma)$, $E=\text{thermal}$; analyzed data. ^{20}F , ^{24}Na , ^{28}Al , ^{32}P , ^{36}Cl , $^{40,42}\text{K}$, ^{46}Sc , ^{56}Mn , ^{60}Co , $^{64,66}\text{Cu}$, ^{72}Ga , ^{76}As , ^{80}Br deduced primary E1,M1 transition strengths,level density parameters. Bethe,constant temperature Fermi gas models.

Keynumber: 1985SZ02

Reference: J.Radioanal.Nucl.Chem. 96, 241 (1985)

Authors: A.S.Szabo

Title: Calculation Method in Activation Analysis for Determination of Two Different Radionuclides with Almost the same γ -Energy

Keyword abstract: NUCLEAR REACTIONS ^{75}As , ^{81}Br , $^{121}\text{Sb}(n,\gamma)$, $E=\text{thermal}$; measured $I\gamma(t)$,ratio; deduced activation analysis criteria.

Keynumber: 1985EL10

Reference: J.Phys.(London) D18, 1967 (1985)

Authors: T.Elnimr, F.A.El-Hussiny

Title: Further Work on the Use of $K(e,0)$ Factors as a Tool for a Critical Evaluation of Reactor Thermal and Epithermal (n,γ) Cross Sections and of Absolute Gamma Intensities

Keyword abstract: NUCLEAR REACTIONS Mg , ^{27}Al , Ca , ^{45}Sc , Fe , Ga , ^{75}As , S , Se , Br , Ru , Rh (n,γ) , $E=\text{thermal, epithermal}$; analyzed $(K(e,0))$ factors data; deduced reaction σ , absolute $I\gamma$.

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 , $^{79,81}\text{Br}$, ^{86}Kr , $^{85,87}\text{Rb}(n,\gamma)$, $E=25\text{ keV}$; measured Maxwellian averaged σ . Gold standard.

Keynumber: 1980WA20

Reference: Acta Phys.Austr. 52, 23 (1980)

Authors: M.Wagner, H.Warhanek

Title: Activation Measurements on Neutron Capture Cross Sections at 14.6 MeV and a Critical Survey of Such Data in the Literature

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{75}As , ^{81}Br , ^{96}Zr , ^{100}Mo , ^{104}Ru , ^{115}In , ^{123}Sb , ^{133}Cs , ^{141}Pr , ^{181}Ta , $^{187}\text{Re}(n,\gamma)$, $E=14.6\text{ MeV}$; measured σ ; deduced no shell effects. Activation technique.

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 , $^{98,100}\text{Mo}$, ^{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: 1974VU01

Reference: Lett.Nuovo Cim. 10, 1 (1974)

Authors: J.Vuletin, P.Kuliscic, 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 , $^{203}\text{Tl}(n,\gamma)$; 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: 1973LIYV

Reference: INDC(SEC)-35/L, p.47 (1973)

Authors: N.Lisbona, S.de Barros, A.Goncalves

Title: Spin Assignments to the Odd Nucleus $^{75}\text{As} + n$

Keyword abstract: NUCLEAR REACTIONS $^{75}\text{As}(n,\gamma)$; measured $E\gamma$, $I\gamma$. ^{76}As resonances deduced J.

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}Cu , ^{65}Cu , ^{69}Ga , ^{71}Ga , ^{75}As , ^{79}Br , ^{81}Br , ^{89}Y , ^{107}Ag , ^{109}Ag , ^{115}In , ^{121}Sb , ^{123}Sb , ^{127}I , ^{139}La , ^{151}Eu , ^{196}Pt , ^{198}Pt (n, γ),E=thermal; measured σ ; deduced resonance integrals.

Keynumber: 1971GU28

Reference: Indian J.Phys. 45, 88 (1971)

Authors: H.V.Gupta, A.K.Chaubey, M.L.Sehgal

Title: Test of Statistical Theory of Nuclear Reactions in the Charge Range from 200 keV to 800 keV

Keyword abstract: NUCLEAR REACTIONS ^{75}As , ^{79}Br , ^{115}In , ^{197}Au (n, γ),E=0.2-0.8 MeV; calculated $\sigma(E)$. Statistical theory.

Keynumber: 1971DEXB

Coden: CONF Bucharest(Betatron Symp) P287

Keyword abstract: NUCLEAR REACTIONS ^{75}As (n, γ); measured $\sigma(E)$.

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}Pr (n, γ),E=14.8 MeV; measured σ . Activation method.

Keynumber: 1970GUZU

Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P33

Keyword abstract: NUCLEAR REACTIONS ^{75}As , ^{79}Br , ^{115}In , ^{197}Au (n, γ),E=200-800 keV; calculated $\sigma(E)$.

Keynumber: 1970DI03

Reference: Acta Phys. 28, 257 (1970)

Authors: M.Diksic, P.Strohal, G.Peto, P.Bornemisza-Pausperl, 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: 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 , ^{63}Cu , ^{63}Cu , ^{73}Ge , ^{75}As , ^{75}As , ^{79}Br , ^{81}Br , ^{89}Y , ^{107}Ag , ^{109}Ag , ^{115}In , ^{121}Sb , ^{123}Sb , ^{127}I , ^{139}La , ^{151}Eu , ^{196}Pt , ^{198}Pt (n, γ) E=thermal;

measured average γ multiplicity.

Keynumber: 1969GR09

Reference: Nucl.Phys. A132, 123 (1969)

Authors: P.Gryksa, P.Riehs, K.Rumpold

Title: High-Energy Gamma Rays of ^{76}As Following Thermal and Epithermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{75}\text{As}(n,\gamma)$, E= thermal, epithermal; measured $E\gamma$, $I\gamma$; deduced Q. ^{76}As deduced levels, J. Ge(Li) detector.

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 , $^{138}\text{Ba}(n,\gamma)$, E=2.9 MeV; measured σ .

Keynumber: 1968JO11

Reference: Nucl.Phys. A113, 104 (1968)

Authors: L.V.Johnson, T.J.Kennett

Title: A Study of the $^{75}\text{As}(n,\gamma)^{76}\text{As}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{75}\text{As}(n,\gamma)$, En=thermal; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{76}As deduced levels, branching, Q. Natural target, Ge(Li) detector.

Keynumber: 1968HE15

Reference: Can.J.Phys. 46, 1984 (1968)

Authors: L.C.Henry, T.J.Kennett

Title: Lifetime Measurement of the 46-keV State in ^{76}As

Keyword abstract: NUCLEAR REACTIONS $^{75}\text{As}(n,\gamma)$, E not given; measured $\gamma\gamma$ -delay. ^{76}As level deduced $T_{1/2}$.

Keynumber: 1968CR11

Reference: Acad.Rep.Populare Romine, Studii Cercetari Fiz. 20, 577 (1968)

Authors: M.I.Cristu

Title: Tranzitii Si Stari de Joasa Energie Ale Nucleelor Impar-Impare Excitate Prin Captura Radiativa a Neutronilor

Keyword abstract: NUCLEAR REACTIONS ^{75}As , $^{127}\text{I}(n,\gamma)$, E=thermal; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{76}As , ^{128}I deduced levels, J, π .

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 , $^{138}\text{Ba}(n,\gamma)$, E=2.9 MeV; measured σ .

Keynumber: 1967SI10

Reference: Nucl.Phys. A101, 673 (1967)

Authors: T.A.Siddiqi, N.Fiebiger, K.Stelzer

Title: The Nuclear Level Structure of ^{76}As from a Study of the $^{75}\text{As}(n,\gamma)^{76}\text{As}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{75}\text{As}(n,\gamma)$, En=thermal; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{76}As deduced levels, J, branching. Ge(Li) detector.
