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35 reference(s) found :

Keynumber: 2001DE25

Reference: J.Radioanal.Nucl.Chem. 248, 103 (2001)

Authors: F.De Corte, S.Van Lierde

Title: Evaluation of (n, γ) Cross Sections from k_0 -Factors for Radionuclides with a Short Half-Life and/or a Complex Activation-Decay Scheme

Keyword abstract: NUCLEAR REACTIONS ^{19}F , ^{40}Ar , ^{59}Co , ^{70}Zn , ^{76}Se , ^{79}Br , ^{103}Rh , ^{108}Pd , ^{109}Ag , 121 , ^{123}Sb , ^{133}Cs , ^{178}Hf , ^{198}Pt , ^{204}Hg (n, γ),E=thermal; measured activation σ . Comparisons with previous results.

Keynumber: 1998ZHZO

Reference: INDC(CPR)-047/L, p.82 (1998)

Authors: Z.Zhang, X.Sun, J.Zhou, Y.Han, Q.Shen

Title: Calculation of Neutron Induced Reaction on $^{121,123}\text{Sb}$

Keyword abstract: NUCLEAR REACTIONS 121 , ^{123}Sb (n,X), (n, γ), (n,2n),E <20 MeV; calculated σ . 121 , ^{123}Sb (n,n),E <14 MeV; calculated $\sigma(\theta)$. Comparisons with data.

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}Np (n, γ),E=reactor; measured $E\gamma$, $I\gamma$; deduced capture σ ,resonance integral,least-squares fit parameters. Multi-element standard.

Keynumber: 1993KA28

Reference: Astrophys.J. 410, 370 (1993)

Authors: F.Kappeler, W.Schanz, K.Wisshak, G.Reffo

Title: The s-Process Between A = 120 and 124: Signature of neutron density and temperature in red giants

Keyword abstract: NUCLEAR REACTIONS ^{120}Sn , 121 , ^{123}Sb , ^{128}Te (n, γ),E=quasistellar neutron spectrum; measured σ ; deduced relevance for s-process nucleosynthesis. Activation technique.

Keynumber: 1989KOZY

Reference: Program and Thesis, Proc.39th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Tashkent, p.77 (1989)

Authors: I.A.Kondurov, Yu.E.Loginov, V.V.Martynov, P.A.Sushkov

Title: Measurements of Half-Lives of Excited States in ^{108}Ag and ^{122}Sb

Keyword abstract: NUCLEAR REACTIONS ^{107}Ag , ^{121}Sb (n, γ),E=thermal; measured $\gamma\gamma(t)$. ^{108}Ag , ^{122}Sb levels deduced $T_{1/2}$.

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: 1984BEZD

Reference: Proc.Conf.Neutron Physics, Kiev, Vol.2, p.366 (1984)

Authors: F.N.Belyaev, V.P.Bolotsky, S.P.Borovlev

Title:

Keyword abstract: NUCLEAR REACTIONS $^{121}\text{Sb}(n,\gamma)$, $E=6-660$ eV; measured average $I\gamma$ ratios vs $E\gamma$. ^{122}Sb resonances deduced J. Tof, enriched target, NaI(Tl) detectors.

Keynumber: 1981AR22

Reference: Yad.Fiz. 34, 1028 (1981)

Authors: L.Ya.Arifov, B.S.Mazitov, V.G.Ulanov

Title: Relative Probability of Isomer Population in Radiative Capture

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{59}Co , 68 , ^{70}Zn , 74 , ^{76}Ge , 80 , ^{82}Se , ^{84}Kr , ^{85}Rb , ^{84}Sr , ^{89}Y , ^{103}Rh , 108 , ^{110}Pd , ^{109}Ag , ^{114}Cd , 113 , ^{115}In , 112 , 120 , 122 , ^{124}Sn , ^{121}Sb , 120 , 126 , 128 , ^{130}Te , ^{133}Cs , ^{132}Ba , 136 , ^{138}Ce , ^{151}Eu , ^{164}Dy , ^{181}Ta , ^{184}W , ^{187}Re , ^{190}Os , ^{191}Ir , ^{196}Pt , ^{196}Hg

(n,γ) , $E=\text{thermal}$, 0.2-2.8 MeV; $^{92}\text{Mo}(p,\gamma)$, $E=1.8-7.4$ MeV; analyzed $\sigma(\text{capture})$ isomer ratio vs E . Statistical theory.

Keynumber: 1980BEYE

Coden: CONF Kiev(Neutron Physics) Proc,Part2,P173,Belyaev

Keyword abstract: NUCLEAR REACTIONS ^{121}Sb , $^{127}\text{I}(n,\gamma)$, $E=10-250$ eV; measured prompt integrated $I\gamma$ vs $E\gamma$. ^{122}Sb , ^{128}I resonances deduced nonstatistical effects in γ -ray intensities.

Keynumber: 1978AL09

Reference: Nucl.Phys. A297, 373 (1978)

Authors: V.L.Alexeev, B.A.Emelianov, A.I.Egorov, L.P.Kabina, D.M.Kaminker, Y.L.Khazov, I.A.Kondurov, E.K.Leushkin, Y.E.Loginov, V.V.Martynov, V.L.Rumiantsev, S.L.Sakharov, P.A.Sushkov, H.G.Borner, W.F.Davidson, J.A.Pinston, K.Schreckenbach

Title: The Level Structure of ^{122}Sb

Keyword abstract: RADIOACTIVITY $^{122\text{m}}\text{Sb}$ [from $^{121}\text{Sb}(n,\gamma)$]; analyzed isomeric transition energy.

Keyword abstract: NUCLEAR REACTIONS $^{121}\text{Sb}(n,\gamma)$, $E=\text{th}$; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $\gamma\gamma$ -coin.

$^{121}\text{Sb}(d,p)$, $E=13,15$ MeV; analyzed data. $^{133}\text{Cs}(n,\gamma)$, $E=\text{th}$; measured $E\gamma$, $I\gamma$. ^{122}Sb deduced levels, J , π , ICC, γ -multipolarity, γ -branching, configurations. ^{134}Cs levels deduced configurations. Ge(Li) detectors, bent crystal spectrometers, magnetic spectrometers, enriched targets.

Keynumber: 1975JAYM

Coden: CONF Petten(Neutron Capture γ -Ray Spect), Proc P165

Keyword abstract: NUCLEAR REACTIONS ^{121}Sb , ^{127}I , ^{159}Tb , $^{197}\text{Au}(n,\gamma)$, $E=1-800$ eV; measured γ -spectra; deduced width correlations.

Keynumber: 1974MA47

Reference: Rev.Roum.Phys. 19, 949 (1974)

Authors: V.Mateiciuc, M.Constantinescu, T.Stadnicov

Title: Theoretical and Experimental Investigation of the Doppler Effect on Neutron Resonances

Keyword abstract: NUCLEAR REACTIONS $^{121}\text{Sb}(n,\gamma)$; calculated resonance parameters.

Keynumber: 1974JAZJ

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P41

Keyword abstract: NUCLEAR REACTIONS ^{121}Sb , ^{127}I , ^{159}Tb , $^{197}\text{Au}(n,\gamma)$, $E=1-800$ eV; measured $\sigma(E,E\gamma)$, analyzed data for non-statistical effects. ^{160}Tb deduced intermediate structure.

Keynumber: 1974JA14

Reference: Nucl.Phys. A223, 509 (1974)

Authors: A.P.Jain, B.Cauvin, A.Lottin

Title: Width Correlations and Intermediate Structure in the n- γ Spectra of Au, Sb, I and Tb

Keyword abstract: NUCLEAR REACTIONS ^{197}Au , ^{121}Sb , ^{127}I , $^{159}\text{Tb}(n,\gamma)$, $E=0-600$ eV; measured ratio of high,low energy γ -rays. ^{122}Sb , ^{128}I , ^{160}Tb , ^{198}Au deduced resonances J,π , level-width, width correlations, intermediate structure.

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: 1973JAYX

Coden: REPT EANDC(E)-157/U Vol2 P11

Keyword abstract: NUCLEAR REACTIONS ^{121}Sb , ^{127}I , ^{159}Tb , $^{197}\text{Au}(n,\gamma)$; measured $E\gamma$. ^{122}Sb , ^{128}I , ^{160}Tb , ^{198}Au deduced resonances.

Keynumber: 1973HAYX

Reference: ANCR-1129, p.3 (1973)

Authors: Y.D.Harker, R.G.Nisle, E.H.Turk, J.R.Berreth

Title: Integral Capture Cross Section Measurements of Fission Product Isotopes (CFRMF)

Keyword abstract: NUCLEAR REACTIONS ^{87}Rb , ^{99}Tc , 102 , ^{104}Ru , ^{115}In , 121 , ^{123}Sb , ^{127}I , 132 , ^{134}Xe , ^{133}Cs , ^{141}Pr , ^{147}Pm , 148 , ^{150}Nd , 152 , $^{154}\text{Sm}(n,\gamma)$, $E=\text{reactor spectrum}$; measured σ .

Keynumber: 1972LOZK

Reference: Contrib.Conf.Nuclear Structure Study with Neutrons, Budapest, p.34 (1972)

Authors: A.Lottin, A.Jain, D.Paya

Title: A Study of the (n, γ) Spectra in the Resonances of Antimony

Keyword abstract: NUCLEAR REACTIONS 121 , $^{123}\text{Sb}(n,\gamma)$, $E < 400$ eV; measured $\sigma(E,E\gamma)$. 122 , ^{124}Sb deduced resonances, J,π , level-width.

Keynumber: 1972LA15

Reference: Phys.Rev. C6, 572 (1972)

Authors: A.Lakshmana Rao, J.Rama Rao

Title: Isomer Ratios in (n, γ) Reactions at 25 keV

Keyword abstract: NUCLEAR REACTIONS ^{74}Ge , ^{79}Br , ^{80}Se , ^{85}Rb , ^{103}Rh , ^{121}Sb , ^{151}Eu , ^{164}Dy

(n, γ),E=25 keV; measured σ ,isomeric ratio.

Keynumber: 1972HAWB

Coden: REPT ANCR-1088,P3,Y Harker,12/11/72

Keyword abstract: NUCLEAR REACTIONS ^{99}Tc , ^{103}Rh , ^{133}Cs , ^{102}Ru , ^{147}Pm , ^{109}Ag , ^{104}Ru , ^{98}Mo , ^{141}Pr , ^{148}Nd , ^{150}Nd , ^{127}I , ^{107}Ag , 140 , ^{142}Ce , ^{159}Tb , 121 , ^{123}Sb , ^{158}Gd (n, γ); measured σ .

Keynumber: 1972CAZK

Coden: REPT CEA-N-1522,P295

Keyword abstract: NUCLEAR REACTIONS 143 , ^{145}Nd , ^{147}Sm , ^{165}Ho , ^{121}Sb (n, γ), measured γ -multiplicity,I γ . 144 , ^{146}Nd , ^{148}Sm , ^{166}Ho , ^{122}Sb deduced resonances,J.

Keynumber: 1972CAZJ

Coden: REPT CEA-N-1522,P300

Keyword abstract: NUCLEAR REACTIONS 121 , ^{123}Sb (n, γ), measured E γ ,I γ . ^{124}Sb deduced levels,J, π .

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: 1971PAZO

Coden: REPT EANDC(E) 140 U,P91,12/30/71

Keyword abstract: NUCLEAR REACTIONS 121 , ^{123}Sb , 143 , ^{145}Nd (n, γ),E=intermediate; measured E γ ,I γ . 122 , ^{124}Sb , 144 , ^{146}Nd deduced resonances,levels,J,transitions.

Keynumber: 1971LO26

Reference: J.Phys.(Paris) 32, 849 (1971)

Authors: A.Lottin, D.Paya

Title: Etude des Spectres de Rayons γ Emis Apres la Capture de Neutrons de Resonance par les Isotopes de l'Antimoine

Keyword abstract: NUCLEAR REACTIONS 121 , ^{123}Sb (n, γ),E=resonance; measured E γ ,I γ . 122 , ^{124}Sb deduced resonances,level-width,J, π , γ -multipolarity.

Keynumber: 1971HAXS

Coden: REPT V D Harker,NCSAC-42, P5,5/19/72

Keyword abstract: NUCLEAR REACTIONS ^{87}Rb , 102 , ^{104}Ru , 121 , ^{123}Sb , ^{127}I , 148 , ^{150}Nd (n, γ),E=

pile; measured integral σ .

Keynumber: 1971CAYZ

Coden: CONF CONF-710301(Knoxville),Vol2,P785,11/2/71

Keyword abstract: NUCLEAR REACTIONS ^{127}I , 143 , ^{145}Nd , 147 , ^{149}Sm , 121 , $^{123}\text{Sb}(n,\gamma)$, 123 , ^{125}Te (n,n), measured σ . ^{128}I , 144 , ^{146}Nd , 148 , ^{150}Sm , 122 , ^{124}Sb , 124 , ^{126}Te resonances deduced J.

Keynumber: 1971CAYD

Reference: Proc.Conf.Neutron Cross Sections and Technol., 3rd, Knoxville, Tenn., R.L.Macklin, Ed., CONF-710301, Vol.2, p.785 (1971)

Authors: B.Cauvin, A.Lottin, A.Michaudon, C.M.Newstead, D.Paya, J.Trochon

Title: Spin Assignments from Capture Gamma-Rays and Scattering Measurements

Keyword abstract: NUCLEAR REACTIONS ^{127}I , 143 , ^{145}Nd , 147 , ^{149}Sm , 121 , ^{123}Sb (n, γ),E=resonance; measured $\sigma(E\gamma)$,I γ ratios. 123 , ^{125}Te (n,n)E=resonance; measured $\sigma(E)$. ^{128}I , 144 , ^{146}Nd , 148 , ^{150}Sm , 122 , ^{124}Sb , 124 , ^{126}Te resonances deduced J.

Keynumber: 1970RAZU

Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P19

Keyword abstract: NUCLEAR REACTIONS ^{74}Ge , ^{85}Rb , ^{110}Pd , ^{116}Cd , ^{121}Sb , ^{124}Sn , ^{151}Eu , ^{196}Pt (n, γ),E=25 keV; measured σ ,isomeric σ ratios.

Keynumber: 1970EI04

Reference: Nucl.Phys. A147, 150 (1970)

Authors: J.Eichler, F.Djadali

Title: Measurement of the Average Circular γ -Polarization and Determination of Spins for Compound States Formed in Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{95}Mo , ^{113}Cd , ^{115}In , 121 , ^{123}Sb , ^{127}I , ^{133}Cs , ^{141}Pr , 155 , ^{157}Gd , ^{159}Tb , ^{165}Ho , ^{181}Ta , ^{199}Hg (polarized n, γ), E = thermal; measured average γ -circular polarization. ^{96}Mo , ^{114}Cd , ^{116}In , 122 , ^{124}Sb , ^{128}I , ^{134}Cs , ^{142}Pr , 156 , ^{158}Gd , ^{160}Tb , ^{166}Ho , ^{182}Ta , ^{200}Hg deduced J for compound state. Natural targets.

Keynumber: 1970BH01

Reference: Phys.Rev. C2, 1115 (1970)

Authors: M.R.Bhat, R.E.Chrien, D.I.Garber, O.A.Wasson

Title: Gamma Rays from Thermal and Resonance Neutron Capture in Sb^{121} and Sb^{123}

Keyword abstract: NUCLEAR REACTIONS 121 , $^{123}\text{Sb}(n,\gamma)$, E=thermal,resonance; measured $E\gamma$,I γ ,n γ -delay; deduced Q. $^{122\text{m}}\text{Sb}$ deduced $T_{1/2}$. 122 , ^{124}Sb resonances deduced J, π ,level-width.

Keynumber: 1968OR01

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

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

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 , $^{139}\text{La}(n,\gamma)$,E=epithermal; measured resonance integrals.

Keynumber: 1968MU10

Reference: Yadern.Fiz. 8, 852 (1968); Soviet J.Nucl.Phys. 8, 495 (1969)

Authors: G.P.Muradyan, Y.V.Adamchuk, Y.G.Shchepkin

Title: Neutron Resonance Parameters of Separated Antimony Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{121}, ^{123}\text{Sb}(n,X), (n,\gamma), E < 4 \text{ keV}$; measured $\sigma(nT), \sigma(E)$.
 $^{122}, ^{124}\text{Sb}$ deduced resonances, level-width.

Keynumber: 1966KA24

Reference: KFKI Kozlem. 14, 85 (1966)

Authors: B.Kardon, D.Kiss

Title: Measurement of the Isomeric Cross-Section Ratio on Neutron Activated $\text{Sr}^{85}, ^{85m}, \text{Sb}^{122}, ^{122m}$
and $\text{Re}^{188}, ^{188m}$

Keyword abstract: RADIOACTIVITY $^{85}\text{Sr}, ^{85m}\text{Sr}$; measured $T_{1/2}$.

Keyword abstract: NUCLEAR REACTIONS $^{84}\text{Sr}, ^{121}\text{Sb}, ^{187}\text{Re}(n,\gamma), E=\text{thermal}$; measured isomeric σ
ratios.