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14 reference(s) found :

Keynumber: 2001GA57

Reference: Bull.Rus.Acad.Sci.Phys. 65, 121 (2001)

Authors: Yu.P.Gangrsky, P.Zuzaan, N.N.Kolesnikov, V.G.Lukashek, A.P.Tonchev

Title: Isomeric Ratios in Crossing ($n\gamma$) and (γn) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{74}Ge , ^{80}Se , ^{84}Sr , ^{108}Pd , ^{114}Cd , 112 , ^{122}Sn , 120 , 126 , ^{128}Te , 130 , ^{132}Ba , 136 , ^{138}Ce , ^{196}Pt , $^{196}\text{Hg}(n,\gamma)$, $E=\text{thermal}$; ^{76}Ge , ^{82}Se , ^{86}Sr , ^{110}Pd , ^{116}Cd , 114 , ^{124}Sn , 122 , 128 , ^{130}Te , 132 , ^{134}Ba , 138 , ^{140}Ce , ^{198}Pt , $^{198}\text{Hg}(\gamma,n)$, $E=25\text{ MeV}$ bremsstrahlung; measured isomeric cross section ratios. Comparison with statistical model calculations.

Keynumber: 1997PA24

Reference: Bull.Rus.Acad.Sci.Phys. 61, 163 (1997)

Authors: I.V.Panov

Title: Radiative Neutron Capture and r-Process

Keyword abstract: NUCLEAR REACTIONS 116 , 118 , 120 , 122 , 124 , ^{119}Sn , 120 , 125 , 126 , 122 , 124 , 128 , $^{130}\text{Te}(n,\gamma)$, $E=30\text{ keV}$; calculated capture σ ; deduced r-process associated kinetic models predictions features regarding elements concentration. Fermi gas model.

Keyword abstract: NUCLEAR STRUCTURE $A=110-140$; $A=140-180$; $A=230-270$; calculated 30 keV neutron capture σ on neutron rich Cd,Pr,U isotopes; deduced r-process associated kinetic models predictions features regarding elements concentration. Fermi gas model.

Keynumber: 1995AL07

Reference: Yad.Fiz. 58, No 1, 15 (1995); Phys.Atomic Nuclei 58, 13 (1995)

Authors: V.G.Alpatov, A.V.Davydov, G.R.Kartashov, M.M.Korotkov, G.V.Kostina, P.A.Polozov, A.A.Sadovsky

Title: Production of Long-Lived Tellurium Isomer in (n,γ) Reactions

Keyword abstract: NUCLEAR REACTIONS 122 , 124 , 126 , $^{128}\text{Te}(n,\gamma)$, (n,X), $E=\text{thermal}$; measured isomer production σ , ratios, resonant integrals.

Keynumber: 1994ALZZ

Reference: Program and Thesis, Proc.44th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Kharkov, p.56 (1994)

Authors: V.G.Alpatov, A.V.Davydov, G.R.Kartashov, M.M.Korotkov, G.V.Kostina, P.A.Polozov, A.A.Sedovsky

Title: Isomeric Ratios of 123 , 125 , 127 , ^{129}Te Produced in (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS, ICPND 122 , 124 , 126 , $^{128}\text{Te}(n,\gamma)$, $E=\text{thermal}$, resonance; measured isomeric σ ratios.

Keynumber: 1993GO30

Reference: At.Energ. 74, 78 (1993); Sov.At.Energ. 74, 77 (1993)

Authors: P.M.Gopych, I.I.Zalyubovsky, P.S.Kizim, V.I.Sorokin, V.V.Sotnikov, E.A.Fomin

Title: Isotope Systematics of (n,γ) Cross Sections for Even Tellurium Isotopes

Keyword abstract: NUCLEAR REACTIONS 126 , 128 , $^{130}\text{Te}(n,\gamma)$, $E=2.6\text{ MeV}$; measured capture σ , isomer ratios; deduced isotope systematics. Activation technique.

Keynumber: [1992WI05](#)**Reference:** Phys.Rev. C45, 2470 (1992)**Authors:** K.Wisshak, F.Voss, F.Kappeler, G.Reffo**Title:** Neutron Capture in $^{122}, ^{123}, ^{124}\text{Te}$: Critical test for s process studies**Keyword abstract:** NUCLEAR REACTIONS $^{122}, ^{123}, ^{124}, ^{125}, ^{126}\text{Te}(n,\gamma), E=10-200$ keV; measured capture σ relative to gold standard; deduced Maxwellian averaged σ between $kT=10$ and 100 keV.**Keynumber:** 1991GOZW**Reference:** Program and Thesis, Proc.41st Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Minsk, p.254 (1991)**Authors:** P.M.Gopych, P.S.Kizim, V.I.Sorokin, V.V.Sotnikov, E.A.Fomin**Title:** Cross Section of (n,γ) Reaction for dd-Neutrons on Tellurium-126,130**Keyword abstract:** NUCLEAR REACTIONS $^{126}\text{Te}(n,\gamma), E=2.6$ MeV; measured σ . $^{130}\text{Te}(n,\gamma), E=2.6$ MeV; measured ^{131}Te isomeric ratio. Natural target.**Keynumber:** 1990HO05**Reference:** Czech.J.Phys. B40, 117 (1990)**Authors:** J.Honzatko, K.Konecny, F.Becvar**Title:** Direct Capture and Compound Nucleus Mechanisms in the Thermal $^{126}\text{Te}(n,\gamma)^{127}\text{Te}$ Reaction**Keyword abstract:** NUCLEAR REACTIONS $^{126}\text{Te}(n,\gamma), E=\text{thermal}$; measured capture σ ; deduced partial σ components. Direct capture, compound nucleus mechanisms.**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 $^{45}\text{Sc}, ^{59}\text{Co}, ^{68}, ^{70}\text{Zn}, ^{74}, ^{76}\text{Ge}, ^{80}, ^{82}\text{Se}, ^{84}\text{Kr}, ^{85}\text{Rb}, ^{84}\text{Sr}, ^{89}\text{Y}, ^{103}\text{Rh}, ^{108}, ^{110}\text{Pd}, ^{109}\text{Ag}, ^{114}\text{Cd}, ^{113}, ^{115}\text{In}, ^{112}, ^{120}, ^{122}, ^{124}\text{Sn}, ^{121}\text{Sb}, ^{120}, ^{126}, ^{128}, ^{130}\text{Te}, ^{133}\text{Cs}, ^{132}\text{Ba}, ^{136}, ^{138}\text{Ce}, ^{151}\text{Eu}, ^{164}\text{Dy}, ^{181}\text{Ta}, ^{184}\text{W}, ^{187}\text{Re}, ^{190}\text{Os}, ^{191}\text{Ir}, ^{196}\text{Pt}, ^{196}\text{Hg}$
 $(n,\gamma), E=\text{thermal}, 0.2-2.8$ MeV; $^{92}\text{Mo}(p,\gamma), E=1.8-7.4$ MeV; analyzed $\sigma(\text{capture})$ isomer ratio vs E. Statistical theory.**Keynumber:** 1974BE53**Reference:** Yad.Fiz. 20, 252 (1974); Sov.J.Nucl.Phys. 20, 133 (1975)**Authors:** A.A.Bergman, S.A.Romanov**Title:** Study of the Cross Sections for Radiative Capture of Neutrons by Tellurium Isotopes and their Application to the Theory of the Origin of the Elements**Keyword abstract:** NUCLEAR REACTIONS $^{122}, ^{123}, ^{124}, ^{125}, ^{126}, ^{128}, ^{130}\text{Te}(n,\gamma), E=0.1-60$ keV; measured $\sigma(E, E\gamma)$.**Keynumber:** 1973LAYG**Reference:** RCN-191 (1973)**Authors:** G.Lautenbach**Title:** Calculated Neutron Absorption Cross Sections of 75 Fission Products**Keyword abstract:** NUCLEAR REACTIONS $^{81}\text{Br}, ^{83}, ^{84}, ^{85}, ^{86}\text{Kr}, ^{85}, ^{87}\text{Rb}, ^{88}, ^{90}\text{Sr}, ^{89}\text{Y}, ^{91}, ^{92}, ^{93}, ^{94}, ^{95}, ^{96}\text{Zr}, ^{95}, ^{97}, ^{98}, ^{100}\text{Mo}, ^{99}\text{Tc}, ^{101}, ^{102}, ^{104}, ^{106}\text{Ru}, ^{103}\text{Rh}, ^{105}, ^{106}, ^{107}, ^{108}, ^{110}\text{Pd}, ^{109}\text{Ag}, ^{111}, ^{112}, ^{113}, ^{114}\text{Cd}, ^{115}\text{In}, ^{126}, ^{128}, ^{130}\text{Te}, ^{127}, ^{129}\text{I}, ^{131}, ^{132}, ^{134}, ^{136}\text{Xe}, ^{133}, ^{135}, ^{137}\text{Cs}, ^{138}\text{Ba}, ^{139}\text{La}, ^{140}, ^{142}\text{Ce},$

^{141}Pr , 143 , 144 , 145 , 146 , 148 , ^{150}Nd , ^{147}Pm , 147 , 148 , 149 , 150 , 151 , 152 , ^{154}Sm , 153 , 154 , ^{155}Eu , 155 , 156 , 157 , ^{158}Gd , $^{159}\text{Tb}(n,\gamma)$; calculated $\sigma(E)$.

Keynumber: 1972MUZU

Coden: JOUR BAPSA 17 557,S F Mughabghab,4/24/72

Keyword abstract: NUCLEAR REACTIONS 126 , 128 , $^{130}\text{Te}(n,\gamma)$,E=resonance; measured $E\gamma$, $I\gamma$; deduced Q, 127 , 129 , ^{131}Te deduced transitions.

Keynumber: 1972KA31

Reference: Yad.Fiz. 15, 631 (1972); Sov.J.Nucl.Phys. 15, 350 (1972)

Authors: R.A.Kalinauskas, K.V.Makaryunas, R.I.Davidonis

Title: Ratios of the Internal Conversion Coefficients for M4-Transitions in Nuclei Te^{121} , 123 , 125 , 127 , 129

Keyword abstract: RADIOACTIVITY ^{121m}Te , ^{123m}Te , ^{125m}Te , ^{127m}Te , ^{129m}Te ; measured I(ce) ratios. 121 , 123 , 125 , 127 , ^{129}Te deduced transitions,ICC.

Keyword abstract: NUCLEAR REACTIONS 120 , 122 , 124 , 126 , $^{128}\text{Te}(n,\gamma)$,E=thermal; measured I(ce) ratios. 121 , 123 , 125 , 127 , ^{129}Te transitions deduced ICC.

Keynumber: 1971KA50

Reference: Liet.Fiz.Rinkinyys 11, 145 (1971)

Authors: R.Kalinauskas, K.Makariunas, R.Davidonis

Title: The $M_1:M_{2+3}:M_{4+5}$ Ratios for the Pure M4 Transitions in the Te^{125} And Te^{127} Nuclei

Keyword abstract: NUCLEAR REACTIONS 124 , $^{126}\text{Te}(n,\gamma)$,E=thermal; measured E(ce),I(ce). 125 , ^{127}Te transitions deduced ICC,M-subshell ratios.