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8 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 , $^{198}\text{Hg}(\gamma,n)$, $E=25$ MeV bremsstrahlung; measured isomeric cross section ratios. Comparison with statistical model calculations.

Keynumber: 2001BE69

Reference: Yad.Fiz. 64, No 11, 1987 (2001); Phys.Atomic Nuclei 64, 1901 (2001)

Authors: A.G.Belov, Yu.P.Gangrsky, L.M.Melnikova, V.Yu.Ponomarev, N.Tsoneva, Ch.Stoyanov, A.Tonchev, N.Balabanov

Title: Excitation of Isomeric $1h_{11/2}$ States in Nuclear Reactions Induced by γ Rays and Neutrons and in Beta Decay

Keyword abstract: NUCLEAR REACTIONS ^{134}Xe , ^{136}Ba , $^{138}\text{Ce}(n,\gamma)$, $E \approx 6.5-7.5$ MeV; ^{136}Xe , ^{138}Ba , ^{140}Ce , ^{142}Nd , $^{144}\text{Sm}(\gamma,n)$, $E \approx 3.5-6.1$ MeV; measured activation yields, isomeric ratios. Comparison with model predictions.

Keyword abstract: RADIOACTIVITY ^{139}Pr , ^{141}Pm , $^{143}\text{Eu}(\beta^+)$; measured $E\gamma, I\gamma$. ^{139}Ce , ^{141}Nd , ^{143}Sm ; deduced probability for isomer population.

Keynumber: 2000VE09

Reference: J.Radioanal.Nucl.Chem. 246, 161 (2000)

Authors: M.L.Verheijke

Title: On the Relation between the Effective Resonance Energy and the Infinite Dilution Resonance Integral for (n,γ) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{36}S , ^{46}Ca , ^{138}Ce , ^{184}Os , $^{191}\text{Ir}(n,\gamma)$, $E < 2$ MeV; calculated effective resonance energies. Relationship between resonance energy and infinite dilution resonance integral discussed.

Keynumber: 2000BEZV

Reference: JINR-P15-2000-139 (2000)

Authors: A.G.Belov, Yu.P.Gangrsky, L.M.Melnikova, V.Yu.Ponomarev, N.Tsoneva, Ch.Stoyanov, A.Tonchev, N.Balabanov

Title: Excitation of the Isomeric States $1h_{11/2}$ in the Nuclear Reactions with γ -Rays, Neutrons and at β -Decay

Keyword abstract: NUCLEAR REACTIONS ^{134}Xe , ^{136}Ba , $^{138}\text{Ce}(n,\gamma)$, $E=6.5-7.5$ MeV; ^{136}Xe , ^{138}Ba , ^{140}Ce , ^{142}Nd , $^{144}\text{Sm}(\gamma,n)$, $E=3.5-6.1$ MeV; measured isomer production ratios. Activation technique, comparison with model predictions.

Keyword abstract: RADIOACTIVITY ^{139}Pr , ^{141}Pm , $^{143}\text{Eu}(\beta^+)$; measured isomer population ratio. Comparison with model predictions.

Keynumber: [1996KA03](#)

Reference: Phys.Rev. C53, 1397 (1996)

Authors: F.Kappeler, K.A.Toukan, M.Schumann, A.Mengoni

Title: Neutron Capture Cross Sections of the Cerium Isotopes for s- and p-Process Studies

Keyword abstract: NUCLEAR REACTIONS $^{136, 140, 142, 138}\text{Ce}(n,\gamma), E=25 \text{ keV}$; measured capture σ ; deduced s-process abundances, r-, p-process residuals between ^{140}Ce , ^{146}Nd . Other data input, (n,γ) reaction σ evaluated for several Ce, Pr isotopes.

Keynumber: 1991HI23

Reference: J.Radioanal.Nucl.Chem. 153, 169 (1991)

Authors: P.Z.Hien, T.K.Mai, T.X.Quang, N.V.Loc, T.N.Thuy

Title: Determination of k_0 -Factors of Short-Lived Nuclides ($T \geq 1 \text{ Min}$) by Thermal Neutron Activation Technique

Keyword abstract: NUCLEAR REACTIONS ^{19}F , ^{37}Cl , ^{45}Sc , ^{76}Se , ^{103}Rh , ^{106}Pd , ^{109}Ag , ^{138}Ce , ^{164}Dy , ^{166}Er , $^{178}\text{Hf}(n,\gamma), E=\text{thermal}$; measured γ -spectra. ^{20}F , $^{38\text{m}}\text{Cl}$, $^{46\text{m}}\text{Sc}$, $^{77\text{m}}\text{Se}$, ^{104}Rh , ^{107}Pd , ^{110}Ag , $^{139\text{m}}\text{Ce}$, $^{165\text{m}}\text{Dy}$, $^{167\text{m}}\text{Er}$, $^{179\text{m}}\text{Hf}$ deduced k_0 -Au factors.

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 , $^{68, 70}\text{Zn}$, $^{74, 76}\text{Ge}$, $^{80, 82}\text{Se}$, ^{84}Kr , ^{85}Rb , ^{84}Sr , ^{89}Y , ^{103}Rh , $^{108, 110}\text{Pd}$, ^{109}Ag , ^{114}Cd , $^{113, 115}\text{In}$, $^{112, 120, 122, 124}\text{Sn}$, ^{121}Sb , $^{120, 126, 128, 130}\text{Te}$, ^{133}Cs , ^{132}Ba , $^{136, 138}\text{Ce}$, ^{151}Eu , ^{164}Dy , ^{181}Ta , ^{184}W , ^{187}Re , ^{190}Os , ^{191}Ir , ^{196}Pt , ^{196}Hg $(n,\gamma), E=\text{thermal}, 0.2-2.8 \text{ MeV}$; $^{92}\text{Mo}(p,\gamma), E=1.8-7.4 \text{ MeV}$; analyzed $\sigma(\text{capture})$ isomer ratio vs E. Statistical theory.

Keynumber: 1969GR31

Reference: Yadern.Fiz. 10, 681 (1969); Soviet J.Nucl.Phys. 10, 392 (1970)

Authors: L.V.Groshev, V.N.Dvoretiskii, A.M.Demidov, M.S.Alvash

Title: Radiation of Even-Odd Nuclei Near the Magic Number $N = 82$ after Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{134, 136, 138}\text{Ba}$, $^{138, 140, 142}\text{Ce}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma$; deduced Q . $^{135, 137, 139}\text{Ba}$, $^{139, 141, 143}\text{Ce}$ deduced levels. Enriched targets.