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22 reference(s) found :

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 Eγ,Iγ; deduced capture σ,resonance integral,least-squares fit parameters. Multi-element standard.

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}Ce(n,γ),E=25 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: 1990XI04
Reference: Chin.J.Nucl.Phys. 12, No 3, 261 (1990)
Authors: Y.Xia, C.Wang, J.Yang, Z.Yang, M.Liu
Title: Measurement of Maxwellian Averaged Neutron Capture Cross Section of ^{140}, ^{142}Ce, ^{139}La and ^{181}Ta at kT = 24 keV
Keyword abstract: NUCLEAR REACTIONS ^{140}, ^{142}Ce, ^{139}La, ^{181}Ta(n,γ),E ≤ 250 keV; measured Eγ,Iγ following capture; deduced Maxwellian averaged capture σ. Hyperpure Ge detector.

Keynumber: 1989LI28
Reference: J.Radioanal.Nucl.Chem. 133, 153 (1989)
Authors: X.Lin, D.Van Renterghem, F.De Corte, R.Cornelis
Title: Correction for Neutron Induced Reaction Interferences in the NAA k_0-Standarization Method
Keyword abstract: NUCLEAR REACTIONS ^{94}Zr, ^{133}Cs, ^{139}La, ^{140}, ^{142}Ce, ^{146}Nd, ^{152}Sm (n,γ),E=fast; ^{235}U(n,F),E not given; analyzed threshld reaction,fission data; deduced k_0 standardization corrections.

Keynumber: 1986OH07
Reference: Radiat.Eff. 96, 281 (1986)
Authors: M.Ohkubo, M.Mizumoto, Y.Nakajima, M.Sugimoto, Y.Furuta, Y.Kawarasaki
Title: Neutron Resonances in ^{142}Ce
Keyword abstract: NUCLEAR REACTIONS ^{142}Ce,Ce(n,γ),E ≤ 30 keV; measured capture,total σ(E). ^{143}Ce deduced s-,d-wave strength functions,resonance parameters. Tof, ^{6}Li glass.

Keynumber: 1985OHZQ
Reference: JAERI Ann.Rept., 1984, p.190 (1985)
Authors: M.Ohkubo, M.Mizumoto, Y.Nakajima, M.Sugimoto, Y.Furuta, Y.Kawarasaki

Title: Neutron Resonance Parameters of ^{142}Ce

Keyword abstract: NUCLEAR REACTIONS Ce, ^{142}Ce(n,γ),E=1-55 keV; measured capture σ(E). ^{142}Ce deduced Γ(n). Tof spectrometer.

Keynumber: 1980BE05

Reference: Phys.Rev. C21, 534 (1980); Erratum Phys.Rev. C21, 2139 (1980)

Authors: H.Beer, F.Kappeler

Title: Neutron Capture Cross Sections on ^{138}Ba, $^{140, 142}$Ce, $^{175, 176}$Lu, and ^{181}Ta at 30 Kev: Prerequisite for Investigation of the ^{176}Lu Cosmic Clock

Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, $^{140, 142}$Ce, $^{175, 176}$Lu, ^{181}Ta(n,γ),E=30 keV; measured σ; deduced solar S process age,Hf/Lu abundance.

Keynumber: 1979BEZE

Reference: Bull.Am.Phys.Soc. 24, No.7, 871, CC11 (1979)

Authors: H.Beer, F.Kappeler

Title: The Measurement of Maxwellian Averaged Capture Cross Sections for ^{138}Ba, ^{140}Ce, ^{175}Lu and ^{176}Lu with a Special Activation Technique

Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, $^{140, 142}$Ce, $^{175, 176}$Lu(n,γ),E not given; measured Maxwellian averaged 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, $^{185, 187}$Re(n,γ),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}Th(n,γ),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: 1976SC16

Reference: Nucl.Phys. A264, 105 (1976)

Authors: O.Schwerer, M.Winkler-Rohatsch, H.Warhanek, G.Winkler

Title: Measurement of Cross Sections for 14 MeV Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{55}Mn, ^{71}Ga, ^{87}Rb, ^{89}Y, ^{127}I, ^{130}Te, ^{138}Ba, ^{139}La, ^{142}Ce, ^{186}W, ^{198}Pt, ^{197}Au(n,γ),E=14.6 MeV; measured σ. Natural targets.

Keynumber: 1976GE02

Reference: Phys.Rev. C13, 1434 (1976)

Authors: W.Gelletly, W.R.Kane, R.F.Casten

Title: Thermal Neutron Capture on ^{142}Ce

Keyword abstract: NUCLEAR REACTIONS ^{142}Ce(n,γ),E=thermal; measured Eγ,Iγ,$\gamma\gamma$-coin; deduced Q. ^{143}Ce deduced levels,J,π.

Keynumber: 1975GEZS

Coden: CONF Petten(Neutron Capture γ-ray Spect),Proc P526

Keyword abstract: NUCLEAR REACTIONS ^{142}Ce(n,γ),E=thermal; measured Eγ,Iγ,$\gamma\gamma$-coin. ^{143}Ce deduced levels.

Keynumber: 1974SI11

Reference: Ann.Phys.(New York) 83, 355 (1974)

Authors: K.Siddappa, M.S.Murty, J.R.Rao

Title: Neutron Strength Functions of Nuclei in the Deformed Region

Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, $^{140,\ 142}$Ce, $^{146,\ 148}$Nd, $^{152,\ 154}$Sm, $^{158,\ 160}$Gd, ^{159}Tb, ^{169}Tm, ^{170}Er, $^{174,\ 176}$Yb, ^{180}Hf, ^{181}Ta, ^{186}W, $^{190,\ 192}$Os, ^{197}Au, ^{202}Hg(n,γ),E=18-28 keV; measured σ; deduced p-wave strength functions.

Reference: Can.J.Phys. 52, 1160 (1974)

Authors: B.Singh, M.W.Johns

Title: Spin Determinations in Low Lying States of ^{151}Sm

Keyword abstract: RADIOACTIVITY ^{151}Pm; measured $\gamma\gamma(\theta)$,Iγ. ^{151}Sm levels deduced J,π,γ-mixing,λ.

Keynumber: 1974RIZB

Coden: REPT USNDC-11 P47

Keyword abstract: NUCLEAR REACTIONS Ta,Mo,Nb, $^{140,\ 142}$Ce, $^{154,\ 155,\ 156,\ 157}$Gd,Ho(n,γ),E=24 keV; measured σ. $^{93,\ 95,\ 97,\ 99}$Mo deduced resonances,J,π.

Keynumber: 1974GEZU

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P351

Keyword abstract: NUCLEAR REACTIONS ^{142}Ce(n,γ),E=thermal; measured Eγ,Iγ,$\gamma\gamma$-coin. ^{143}Ce deduced levels.

Keynumber: 1973SI45

Reference: Nuovo Cim. 18A, 48 (1973)

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

Title: Neutron Activation Cross-Sections in Rare Earths and Heavier Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, $^{140,\ 142}$Ce, $^{146,\ 148}$Nd, ^{160}Gd, ^{165}Ho, ^{180}Hf, ^{181}Ta, ^{190}Os, ^{197}Au, ^{202}Hg(n,γ),E=23 keV; measured σ.

Keynumber: 1973SCYA

Coden: REPT INDC(SEC)-36/L P8

Keyword abstract: NUCLEAR REACTIONS ^{26}Mg, ^{37}Cl, ^{41}K, ^{55}Mn, ^{71}Ga, ^{81}Br, ^{87}Rb, ^{100}Mo, ^{115}In, ^{127}I, ^{133}Cs, ^{138}Ba, ^{139}La, ^{142}Ce, ^{181}Ta, ^{198}Pt(n,γ); measured σ.

Keynumber: 1973LAYG

Reference: RCN-191 (1973)

Authors: G.Lautenbach

Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products

Keyword abstract: NUCLEAR REACTIONS ^{81}Br, $^{83, 84, 85, 86}$Kr, $^{85, 87}$Rb, $^{88, 90}$Sr, ^{89}Y, $^{91, 92, 93, 94, 95, 96}$Zr, $^{95, 97, 98, 100}$Mo, ^{99}Tc, $^{101, 102, 104, 106}$Ru, ^{103}Rh, $^{105, 106, 107, 108, 110}$Pd, ^{109}Ag, $^{111, 112, 113, 114}$Cd, ^{115}In, $^{126, 128, 130}$Te, $^{127, 129}$I, $^{131, 132, 134, 136}$Xe, $^{133, 135, 137}$Cs, ^{138}Ba, ^{139}La, $^{140, 142}$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}Tb(n,γ); calculated σ(E).

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: 1972GEZM

Coden: REPT Annual 1972,Schuster Lab,Univ Manchester,P35

Keyword abstract: NUCLEAR REACTIONS ^{142}Ce(n,γ); ^{143}Ce deduced levels.

Keynumber: 1969GR31

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

Authors: L.V.Groshev, V.N.Dvoretskii, 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 $^{134, 136, 138}$Ba, $^{138, 140, 142}$Ce(n,γ),E=thermal; measured Eγ, Iγ; deduced Q. $^{135, 137, 139}$Ba, $^{139, 141, 143}$Ce deduced levels. Enriched targets.