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15 reference(s) found :

Keynumber: 1992BE54

Reference: At.Energ. 72, 95 (1992); Sov.At.Energy 72, 91 (1992)

Authors: S.M.Bednyakov, G.N.Manturov

Title: Refining Fission-Product Capture Cross Sections in Reactivity-Perturbation Experiments

Keyword abstract: NUCLEAR REACTIONS $^{95, 97, 98, 100}\text{Mo}$, ^{103}Rh , ^{109}Ag , ^{141}Pr , $^{143, 145}\text{Nd}$, ^{149}Sm , $^{153}\text{Eu}(n,\gamma)$, E=reactor; analyzed fission product neutron capture σ data. Reactivity-perturbation experiments.

Keynumber: 1990BE55

Reference: At.Energ. 69, 31 (1990); Sov.At.Energy 69, 588 (1991)

Authors: S.M.Bednyakov, G.N.Manturov, K.Dietze

Title: Capture Cross Sections of Molybdenum Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{95, 97, 98, 100}\text{Mo}(n,\gamma)$, E=reactor; measured capture σ . Model analysis.

Keynumber: 1987WI02

Reference: Astrophys.J. 313, 808 (1987)

Authors: R.R.Winters, R.L.Macklin

Title: Maxwellian-Averaged Neutron Capture Cross Sections for ^{99}Tc and $^{95-98}\text{Mo}$

Keyword abstract: NUCLEAR REACTIONS ^{99}Tc , $^{95, 96, 97, 98}\text{Mo}(n,\gamma)$, E=5-100 keV; analyzed Maxwellian averaged capture σ ; deduced astrophysical Tc, Mo abundances information.

Keynumber: 1982RA32

Reference: Indian J.Pure Appl.Phys. 20, 627 (1982)

Authors: S.K.Rathi, V.P.Varshney, H.M.Agrawal

Title: Calculations of Neutron Capture Cross-Sections for some Nuclei using Bilpuch Formula

Keyword abstract: NUCLEAR REACTIONS $^{40, 43}\text{Ca}$, $^{52, 53}\text{Cr}$, $^{54, 56}\text{Fe}$, ^{88}Sr , $^{90, 91, 92, 94}\text{Zr}$, ^{93}Nb , $^{92, 94, 95, 96, 97, 98, 100}\text{Mo}$, ^{138}Ba , ^{139}La , ^{140}Ce , $^{203}\text{Tl}(n,\gamma)$, E=24 keV; calculated σ (capture). Experimental parameters, Bilpuch formula.

Keynumber: 1981RA01

Reference: J.Phys.(London) G7, 53 (1981)

Authors: S.K.Rathi, H.M.Agarwal

Title: P-Wave Neutron Strength Functions

Keyword abstract: NUCLEAR REACTIONS ^{43}Ca , ^{52}Cr , ^{56}Fe , ^{88}Sr , ^{89}Y , $^{90, 92, 94}\text{Zr}$, ^{93}Nb , $^{92, 94, 95, 96, 97, 98, 100}\text{Mo}$, ^{138}Ba , ^{139}La , ^{140}Ce , $^{203}\text{Tl}(n,\gamma)$, E=24 keV; analyzed σ . ^{44}Ca , ^{53}Cr , ^{57}Fe , ^{89}Sr , ^{90}Y , $^{91, 93, 95}\text{Zr}$, ^{94}Nb , $^{93, 95, 96, 97, 98, 99, 101}\text{Mo}$, ^{139}Ba , ^{140}La , ^{141}Ce , ^{204}Tl deduced p-wave strength function.

Keynumber: 1977II01

Reference: J.Nucl.Sci.Technol. 14, 161 (1977)

Authors: S.Iijima, T.Nakagawa, Y.Kikuchi, M.Kawai, H.Matsunobu, K.Maki, S.Igarasi

Title: Evaluation of Neutron Cross Section of 27 Fission Product Nuclides Important for Fast Reactor

Keyword abstract: NUCLEAR REACTIONS ^{93}Zr , $^{95, 97}\text{Mo}$, ^{99}Tc , $^{101, 102, 104, 106}\text{Ru}$, ^{103}Rh , $^{105, 107}\text{Pd}$, ^{109}Ag , $^{110m, 110g}\text{Cd}$, ^{113}In , ^{115}In , $^{117}\text{m, 117g}\text{Sn}$, ^{121}Sb , ^{123}Sb , ^{125}Te , ^{131}I , ^{135}Ba , ^{137}Ba , ^{141}Ce , ^{143}Pr , ^{147}Sm , ^{151}Eu , ^{155}Eu , ^{159}Gd , ^{165}Dy , ^{169}Er , ^{175}Lu , ^{177}Lu , ^{187}Re , ^{188}Re , ^{199}Au , ^{203}Tl , ^{205}Tl , ^{209}Bi .

¹⁰⁷Pd, ¹⁰⁹Ag, ¹²⁹I, ¹³¹Xe, ¹³³, ¹³⁵, ¹³⁷Cs, ¹⁴³, ¹⁴⁴, ¹⁴⁵Nd, ¹⁴⁴Ce, ¹⁴⁷Pm, ¹⁴⁷, ¹⁴⁹, ¹⁵¹Sm, ¹⁵³, ¹⁵⁵Eu
(n,n), (n,γ), (n,n'), (n,X), E=th-15 MeV; calculated σ.

Keynumber: 1976MU09

Reference: Nucl.Phys. A270, 108 (1976)

Authors: A.R.de L.Musgrove, B.J.Allen, J.W.Boldeman, R.L.Macklin

Title: Average Neutron Resonance Parameters and Radiative Capture Cross Sections for the Isotopes of Molybdenum

Keyword abstract: NUCLEAR REACTIONS ⁹², ⁹⁴, ⁹⁵, ⁹⁶, ⁹⁷, ⁹⁸, ¹⁰⁰Mo(n,γ), E=3-90 keV; measured σ (n,γ). ⁹³, ⁹⁵, ⁹⁶, ⁹⁷, ⁹⁸, ⁹⁹, ¹⁰¹Mo deduced resonance parameters. ⁹³, ⁹⁹Mo deduced p-wave resonances. Valence calculations, doorway states. ⁶Li(n,α) monitor, enriched targets, total energy detector.

Keynumber: 1974RIYL

Reference: BNL-18977 (1974)

Authors: K.Rimawi, R.E.Chrien

Title: Average p-Wave Resonance-Capture Spectra from Isotopes of Molybdenum

Keyword abstract: NUCLEAR REACTIONS ⁹², ⁹⁴, ⁹⁵, ⁹⁶, ⁹⁷, ⁹⁸Mo(n,γ), E=24.3 keV; measured σ (Eγ). ⁹³, ⁹⁵, ⁹⁶, ⁹⁷, ⁹⁸, ⁹⁹Mo deduced resonances, S.

Keynumber: 1974CHZG

Reference: USNDC-11, p.46 (1974)

Authors: R.E.Chrien, K.Rimawi, R.C.Greenwood, G.W.Cole

Title: Nuclear Structure Studies Using the Fast Chopper

Keyword abstract: NUCLEAR REACTIONS ⁹⁴, ⁹⁶, ⁹⁷Mo, ¹⁵⁴, ¹⁵⁶, ¹⁵⁷Gd(n,γ); measured Eγ, Iγ.

Keynumber: 1973LAYG

Reference: RCN-191 (1973)

Authors: G.Lautenbach

Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products

Keyword abstract: NUCLEAR REACTIONS ⁸¹Br, ⁸³, ⁸⁴, ⁸⁵, ⁸⁶Kr, ⁸⁵, ⁸⁷Rb, ⁸⁸, ⁹⁰Sr, ⁸⁹Y, ⁹¹, ⁹², ⁹³, ⁹⁴, ⁹⁵, ⁹⁶Zr, ⁹⁵, ⁹⁷, ⁹⁸, ¹⁰⁰Mo, ⁹⁹Tc, ¹⁰¹, ¹⁰², ¹⁰⁴, ¹⁰⁶Ru, ¹⁰³Rh, ¹⁰⁵, ¹⁰⁶, ¹⁰⁷, ¹⁰⁸, ¹¹⁰Pd, ¹⁰⁹Ag, ¹¹¹, ¹¹², ¹¹³, ¹¹⁴Cd, ¹¹⁵In, ¹²⁶, ¹²⁸, ¹³⁰Te, ¹²⁷, ¹²⁹I, ¹³¹, ¹³², ¹³⁴, ¹³⁶Xe, ¹³³, ¹³⁵, ¹³⁷Cs, ¹³⁸Ba, ¹³⁹La, ¹⁴⁰, ¹⁴²Ce, ¹⁴¹Pr, ¹⁴³, ¹⁴⁴, ¹⁴⁵, ¹⁴⁶, ¹⁴⁸, ¹⁵⁰Nd, ¹⁴⁷Pm, ¹⁴⁷, ¹⁴⁸, ¹⁴⁹, ¹⁵⁰, ¹⁵¹, ¹⁵², ¹⁵⁴Sm, ¹⁵³, ¹⁵⁴, ¹⁵⁵Eu, ¹⁵⁵, ¹⁵⁶, ¹⁵⁷, ¹⁵⁸Gd, ¹⁵⁹Tb(n,γ); calculated σ(E).

Keynumber: 1972GA07

Reference: Yad.Fiz. 15, 3 (1972); Sov.J.Nucl.Phys. 15, 1 (1972)

Authors: A.F.Gamalii, B.V.Zemtsev, V.B.Ivanov, B.V.Nesterov, L.P.Khamyanov

Title: Gamma Radiation in Intermediate Neutron Radioactive Capture

Keyword abstract: NUCLEAR REACTIONS ⁹⁵, ⁹⁷Mo, ⁶²Ni, ⁴⁸Ti(n,γ), E=thermal, 2-25 keV; measured Eγ, Iγ. ⁴⁹Ti, ⁹⁶Mo deduced levels, J, π. ⁹⁸Mo, ⁶³Ni deduced transitions. Ge(Li) detector.

Keynumber: 1971WEZS

Reference: Proc.3rd Conf.Neut.Cross Sect.Techn., Knoxville, Tenn., p.749 (1971); CONF-71301 (1971)

Authors: H.Weigmann, G.Rohr, J.Winter

Title: Neutron Capture Measurements and Resonance Parameters of Mo-Isotopes

Keyword abstract: NUCLEAR REACTIONS ⁹², ⁹⁴, ⁹⁶, ⁹⁸, ¹⁰⁰Mo, ⁹⁵, ⁹⁷Mo(n,γ), E < 12 keV; measured

$\sigma(E)$. ⁹³, ⁹⁵, ⁹⁶, ⁹⁷, ⁹⁸, ⁹⁹, ¹⁰¹Mo deduced resonance parameters.

Keynumber: 1971WE17

Reference: Proc.Conf.Neutron Cross Sections and Technol., 3rd, Knoxville, Tenn., R.L.Macklin, Ed., Vol.2, p.749 (1971); CONF-710301 (1971)

Authors: H.Weigmann, G.Rohr, J.Winter

Title: Neutron Capture Measurements and Resonance Parameters of Mo-Isotopes

Keyword abstract: NUCLEAR REACTIONS ⁹², ⁹⁴, ⁹⁵, ⁹⁶, ⁹⁷, ⁹⁸, ¹⁰⁰Mo(n, γ),E=resonance; measured $\sigma(E\gamma)$. ⁹³, ⁹⁵, ⁹⁶, ⁹⁷, ⁹⁸, ⁹⁹, ¹⁰¹Mo deduced resonance parameters.

Keynumber: 1971SCYJ

Coden: REPT HEDL-TME-71-143,R Schenter,11/20/72

Keyword abstract: NUCLEAR REACTIONS ⁸³Kr, ⁹⁵Zr, ⁹⁵Nb, ⁹⁵, ⁹⁷, ⁹⁸, ⁹⁹, ¹⁰⁰Mo, ¹⁰¹, ¹⁰², ¹⁰³, ¹⁰⁴, ¹⁰⁵, ¹⁰⁶Ru, ¹⁰⁵Rh, ¹⁰⁵, ¹⁰⁶, ¹⁰⁷, ¹⁰⁹Pd, ¹¹³Cd, ¹³¹, ¹³⁵I, ¹³¹, ¹³³Xe, ¹³⁵, ¹³⁷Cs, ¹³⁹La(n,X), (n, γ), (n,n), (n,n'),E <10 MeV; analyzed $\sigma(E)$; evaluated capture σ .

Keynumber: 1971HE10

Reference: Nucl.Phys. A165, 327 (1971)

Authors: D.Heck, U.Fanger, W.Michaelis, H.Ottmar, H.Schmidt

Title: Energy Levels of ⁹⁸Mo Excited in the (n, γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ⁹⁷Mo(n, γ),E=th; measured E γ ,I γ , $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$,Q. ⁹⁸Mo deduced levels,J, π , γ -mixing. Enriched target,Ge(Li), NaI(Tl) detectors.