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14 reference(s) found :

Keynumber: 1983SA30

Reference: Aust.J.Phys. 36, 583 (1983)

Authors: D.G.Sargood

Title: Effect of Excited States on Thermonuclear Reaction Rates

Keyword abstract: NUCLEAR REACTIONS, ICPND $^{20, 21, 22}\text{Ne}$, ^{23}Na , $^{24, 25, 26}\text{Mg}$, ^{27}Al , $^{28, 29, 30}\text{Si}$, ^{31}P , $^{32, 33, 34, 36}\text{S}$, $^{35, 37}\text{Cl}$, $^{36, 38, 40}\text{Ar}$, $^{39, 40, 41}\text{K}$, $^{40, 42, 43, 44, 46, 48}\text{Ca}$, ^{45}Sc , $^{46, 47, 48, 49, 50}\text{Ti}$, $^{50, 51}\text{V}$, $^{50, 52, 53, 54}\text{Cr}$, ^{55}Mn , $^{54, 56, 57, 58}\text{Fe}$, ^{59}Co , $^{58, 60, 61, 62, 64}\text{Ni}$, $^{63, 65}\text{Cu}$, $^{64, 66, 67}\text{Zn}(n,\gamma)$, (n,p) , (n,α) , (p,γ) , (p,n) , (p,α) , (α,γ) , (α,n) , (α,p) , $^{70}\text{Zn}(p,\gamma)$, (p,n) , (p,α) , (α,γ) , (α,n) , (α,p) , $E=\text{low}$; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

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 $\sigma(\text{capture})$. 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: 1980PIZN

Coden: CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko

Keyword abstract: NUCLEAR REACTIONS $^{22, 23}\text{Na}$, Mg , $^{24, 25, 26}\text{Mg}$, ^{27}Al , Si , $^{28, 29, 30}\text{Si}$, ^{31}P , S , $^{32, 33, 34}\text{S}$, Cl , $^{35, 36, 37}\text{Cl}$, Ar , $^{36, 38, 40}\text{Ar}$, K , $^{39, 40, 41}\text{K}$, Ca , $^{40, 42, 43, 44, 46, 48}\text{Ca}$, $^{45, 46}\text{Sc}$, Ti , $^{46, 47, 48, 49, 50}\text{Ti}$, V , $^{50, 51}\text{V}$, Cr , $^{50, 52, 53, 54}\text{Cr}$, Fe , $^{54, 56, 57, 58}\text{Fe}$, ^{59}Co , Ni , $^{58, 59, 60, 61, 62, 64}\text{Ni}$, Cu , $^{63, 65}\text{Cu}$, Zn , $^{64, 66, 67, 68, 70}\text{Zn}$, Ga , $^{69, 71}\text{Ga}(n,\gamma)$, (n,n) , (n,α) , $E=\text{thermal}$; evaluated σ , radiative capture resonance integrals.

Keynumber: 1977MU02

Reference: Nucl.Phys. A279, 317 (1977)

Authors: A.R.de L.Musgrove, B.J.Allen, J.W.Boldeman, D.M.H.Chan, R.L.Macklin

Title: Odd-Even Effects in Radiative Neutron Capture by ^{42}Ca , ^{43}Ca and ^{44}Ca

Keyword abstract: NUCLEAR REACTIONS $^{42, 43, 44}\text{Ca}(n,\gamma)$, $E > 2.5$ keV; measured $\sigma(n,\gamma)$. $^{43, 44, 45}\text{Ca}$ deduced resonances, $\Gamma\gamma$, Γn .

Keynumber: 1977CL03

Reference: Phys.Lett. 71B, 10 (1977)

Authors: C.F.Clement, A.M.Lane, J.Kopecky

Title: Correlations in M1 Neutron Capture as Evidence for a Semi-Direct Mechanism

Keyword abstract: NUCLEAR REACTIONS ^{19}F , ^{23}Na , ^{25}Mg , ^{27}Al , ^{29}Si , ^{31}P , 35 , ^{37}Cl , ^{39}K , ^{43}Ca (n, γ), (d,p); analyzed correlations between reaction types.

Keynumber: 1976RAZI

Coden: CONF Lowell(Interactions of Neutrons),CONF-760715-P2,Vol2 P1301

Keyword abstract: NUCLEAR REACTIONS ^{43}Ca (n, γ),E=0.03-10 MeV; measured σ (E,E γ). ^{44}Ca deduced levels.

Keynumber: 1974ALZU

Coden: PREPRINT B J Allen,2/11/74

Keyword abstract: NUCLEAR REACTIONS 40 , 42 , 43 , ^{44}Ca (n, γ),E=2.5-600 keV; measured σ (E). 41 , 43 , 44 , ^{45}Ca deduced resonances, γ -width,n-width.

Keynumber: 1973GEYY

Coden: REPT INDC(SEC)-35/L P6

Keyword abstract: NUCLEAR REACTIONS 40 , 42 , 43 , ^{44}Ca (n, γ); calculated σ (E). 41 , 43 , 44 , ^{45}Ca levels deduced level-width.

Keynumber: 1972WH02

Reference: Phys.Rev. C5, 513 (1972)

Authors: D.H.White, R.E.Birkett

Title: Gamma-Ray Spectra and Level Structure of ^{44}Ca from Thermal-Neutron Capture in ^{43}Ca

Keyword abstract: NUCLEAR REACTIONS ^{43}Ca (n, γ),E=thermal; measured E γ ,I γ , $\gamma\gamma$ -coin, $\gamma\gamma$ -delay; deduced Q. ^{44}Ca deduced levels, $T_{1/2}$, γ -branching.

Keynumber: 1971CR02

Reference: Nucl.Phys. A169, 95 (1971)

Authors: F.P.Cranston, D.H.White

Title: Thermal Neutron Capture Cross Sections in Calcium

Keyword abstract: NUCLEAR REACTIONS Ca, 42 , 43 , ^{44}Ca (n, γ), E=thermal; measured E γ ,I γ , integrated product I γ x E γ . 40 , 42 , 43 , 44 , 46 , ^{48}Ca deduced σ . Enriched targets. Ge(Li), Moxon-Rae detectors.

Keynumber: 1971ALYW

Coden: REPT CONF-730538-1

Keyword abstract: NUCLEAR REACTIONS 40 , 42 , 43 , ^{44}Ca , 134 , 135 , 136 , 137 , ^{138}Ba (n, γ); measured σ (E).

Keynumber: 1970WHZX

Reference: Bull.Amer.Phys.Soc. 15, No.12, 1609, DB5 (1970)

Authors: D.H.White, R.E.Birkett

Title: Neutron-Capture Gamma-Ray Coincidence Studies in ^{44}Ca with a Ge(Li)-NaI(Tl) Spectrometer System

Keyword abstract: NUCLEAR REACTIONS ^{43}Ca (n, γ),E=thermal; measured E γ ,I γ , $\gamma\gamma$ -coin; deduced

Q. ^{44}Ca deduced levels, γ -branching.

Keynumber: 1966WAZY

Reference: Proc.Intern.Conf.Study of Nucl.Struct.With Neutrons, Antwerp, Belgium (1965), M.N.de Mevergnies, P.Van Assche, J.Vervier, Eds., North-Holland Publishing Co., Amsterdam, p.536 (1966); EANDC-50-S, Paper 99 (1966)

Authors: R.Wagner, W.M.Good, D.Paya

Title: s-Wave Neutron Strength Functions of Isotopes in the 3s-Resonance Region $40 < A < 70$

Keyword abstract: NUCLEAR REACTIONS ^{43}Ca , 47 , ^{49}Ti , ^{53}Cr , ^{57}Fe , $^{61}\text{Ni}(n,\gamma)$, $E=2-60$ keV; $\sigma(\text{nt})$ (E). ^{44}Ca , 48 , ^{50}Ti , ^{54}Cr , ^{58}Fe , ^{62}Ni deduced resonances,level spacings,strength functions.