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10 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: 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: 1975LI01

Reference: Phys.Rev. C11, 457 (1975)

Authors: H.I.Liou, J.Rainwater, G.Hacken, U.N.Singh

Title: Neutron Resonance Spectroscopy: Argon

Keyword abstract: NUCLEAR REACTIONS $^{40}\text{Ar}(n,n)$, (n,γ) , $E=1-580$ keV; measured total $\sigma(E)$. ^{41}Ar deduced resonances, n -width, J, S, L .

Keynumber: 1972ST04

Reference: Nucl.Phys. A181, 225 (1972)

Authors: F.Stecher-Rasmussen, K.Abrahams, J.Kopecky

Title: Circular Polarization of Neutron Capture γ -Rays from Al, Ar and Ca

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , ^{40}Ar , $^{40, 44}\text{Ca}(\text{polarized } n,\gamma)$; $E=\text{thermal}$; measured γ -CP. ^{28}Al , ^{41}Ar , $^{41, 45}\text{Ca}$ levels deduced J, π . ^{28}Al transition deduced γ -mixing. Natural targets.

Keynumber: 1972OP01

Reference: Nucl.Phys. A180, 569 (1972)

Authors: A.M.F.Op den Kamp, A.M.J.Spits

Title: Gamma Rays from Thermal-Neutron Capture in Natural and ^{39}K Enriched Potassium

Keyword abstract: NUCLEAR REACTIONS $^{39, 41}\text{K}$, ^1H , ^6Li , ^{12}C , ^{19}F , ^{40}Ar , ^{56}Fe , $^{207}\text{Pb}(n,\gamma)$, $E=\text{thermal}$; ^{19}F , $^{28}\text{Si}(n,n'\gamma)$, $E=\text{fast}$; measured $E\gamma, I\gamma$. $^{39}\text{K}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin; deduced Q . $^{40, 42}\text{K}$ deduced levels, γ -branching. Ge(Li), NaI detectors.

Keynumber: 1971ARZJ

Coden: CONF Legnaro(1f- $\frac{1}{2}$ Nuclei), P251

Keyword abstract: NUCLEAR REACTIONS ^{36}Ar , ^{40}Ar , ^{40}K , 40 , 42 , 44 , 46 , ^{48}Ca , ^{47}Ti , ^{55}Mn , ^{57}Fe , $^{59}\text{Co}(n,\gamma)$, $E=\text{thermal}$; surveyed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$, γ -polarization data. ^{37}Ar , ^{41}Ar , ^{41}K , 41 , 43 , 45 , 47 , ^{49}Ca , ^{48}Ti , ^{56}Mn , ^{58}Fe , ^{60}Co deduced levels, J, π, γ -mixing.

Keynumber: 1970HA56

Reference: Phys.Scr. 1, 85 (1970)

Authors: R.Hardell, C.Beer

Title: Thermal Neutron Capture in Natural Argon

Keyword abstract: NUCLEAR REACTIONS 36 , $^{40}\text{Ar}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, Q . 37 , ^{41}Ar deduced levels, γ -branching.

Keynumber: 1969RA37

Reference: Nucl.Phys. A128, 333 (1969)

Authors: N.RanaKumar, E.Karttunen, R.W.Fink

Title: Thermal and 14.4 MeV Neutron Activation Cross Sections of Argon

Keyword abstract: NUCLEAR REACTIONS $^{40}\text{Ar}(n,\gamma)$, $E=\text{th}$; 38 , $^{40}\text{Ar}(n,p)$, $^{40}\text{Ar}(n,X)$, $^{40}\text{Ar}(n,\alpha)$, $E_n=14.4\text{ MeV}$; measured σ by activation; Ge(Li) detector; solid quinolclathrate target; mixed powder method.

Keynumber: 1967LY05

Reference: Nucl.Phys. A100, 33(1967)

Authors: H.Lycklama, N.P.Archer, T.J.Kennett

Title: The $^{40}\text{Ar}(n,\gamma)^{41}\text{Ar}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{40}\text{Ar}(n,\gamma)$, $E=\text{th}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin; deduced Q . ^{41}Ar deduced levels. Natural target, Ge(Li) detector.

Keynumber: 1965FR16

Reference: Nucl.Phys. 65, 225 (1965)

Authors: R.L.D.French, B.Bradley

Title: The Ar^{40} Thermal Activation Cross -Section and Resonance Integral

Keyword abstract: NUCLEAR REACTIONS $^{40}\text{Ar}(n,\gamma)$, $E_n=\text{pile}$; measured σ ; deduced $\sigma(\text{thermal})$, σ (nA) dE/E . Enriched target.