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11 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}Ne, ²³Na, ^{24, 25, 26}Mg, ²⁷Al, ^{28, 29, 30}Si, ³¹P, ^{32, 33, 34, 36}S, ^{35, 37}Cl, ^{36, 38, 40}Ar, ^{39, 40, 41}K, ^{40, 42, 43, 44, 46, 48}Ca, ⁴⁵Sc, ^{46, 47, 48, 49, 50}Ti, ^{50, 51}V, ^{50, 52, 53, 54}Cr, ⁵⁵Mn, ^{54, 56, 57, 58}Fe, ⁵⁹Co, ^{58, 60, 61, 62, 64}Ni, ^{63, 65}Cu, ^{64, 66, 67}Zn(n,γ), (n,p), (n,α), (p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p), ⁷⁰Zn(p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p), E=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}Na, ^{24, 25, 26}Mg, ²⁷Al, ^{28, 29, 30}Si, ³¹P, ^{32, 33, 34}S, ^{35, 36, 37}Cl, ^{36, 38, 40}Ar, ^{39, 40, 41}K, ^{40, 42, 43, 44, 46, 48}Ca, ^{45, 46}Sc, ^{46, 47, 48, 49, 50}Ti, ^{50, 51}V, ^{50, 52, 53, 54}Cr, ^{54, 56, 57, 58}Fe, ⁵⁹Co, ^{58, 59, 60, 61, 62, 64}Ni, ^{63, 65}Cu, ^{64, 66, 67, 68, 70}Zn, ^{69, 71}Ga(n,γ), (n,n), (n,α), E=thermal; evaluated σ, radiative capture resonance integrals.

Keynumber: 1979ASZZ

Reference: NEANDC(J)-61/U, p.14 (1979)

Authors: T.Asami, N.Sekine

Title: Evaluation of Cr Neutron Cross Sections for JENDL-2

Keyword abstract: NUCLEAR REACTIONS ^{50, 52, 53, 54}Cr(n,γ), (n,n), (n,n'), (n,2n), (n,p), (n,α), (n,n'p), E=.0001 eV-20 MeV; evaluated σ. Multi-level Breit-Wigner formula, optical, statistical model analyses.

Keynumber: 1972WH05

Reference: Nucl.Phys. A187, 12 (1972)

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

Title: Gamma-Ray Spectra and Level Structure of ⁵⁵Cr from Thermal Neutron Capture in ⁵⁴Cr

Keyword abstract: NUCLEAR REACTIONS ⁵⁴Cr(n,γ), E=thermal; measured E_γ, I_γ; deduced Q. ⁵⁵Cr deduced levels, γ-branching. Enriched target. Ge(Li) detectors.

Keynumber: 1971STZR

Coden: REPT RPI-328-218, P33, 9/10/71

Keyword abstract: NUCLEAR REACTIONS ^{50, 52, 53, 54}Cr, ⁶⁰Ni, V(n,γ), E < 200 keV; measured σ (Eγ). ^{51, 53, 54, 55}Cr, ⁶¹Ni, ⁵²V deduced resonance parameters.

Keynumber: 1971ST07

Reference: Nucl.Phys. A163, 592 (1971)

Authors: R.G.Stieglitz, R.W.Hockenbury, R.C.Block

Title: keV Neutron Capture and Transmission Measurements on ⁵⁰Cr, ⁵²Cr, ⁵³Cr, ⁵⁴Cr, ⁶⁰Ni and V

Keyword abstract: NUCLEAR REACTIONS V, ^{50}Cr , ^{52}Cr , ^{53}Cr , ^{54}Cr , $^{60}\text{Ni}(\text{n},\gamma)$, $E=0.1$ to 200 keV , (n,t) , $E=0.1$ to 350 keV ; measured capture yield, transmission versus E ; deduced $\sigma(\text{n}\gamma)$, $\sigma(\text{nT})$, n -width, level spacing, R . 51 , 53 , 54 , ^{55}Cr , ^{61}Ni deduced resonances J, L, n -width, γ -width, $A\gamma$. Enriched targets.

Keynumber: 1971SOZZ

Coden: CONF Moscow(NuclSpectros,Structure) Abstr P43

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Cr}(\text{n},\gamma)$, $E=\text{th}$; measured $E\gamma, I\gamma$. ^{55}Cr deduced levels, γ -branching.

Keynumber: 1971BO68

Reference: Vestsi Akad.Navuk BSSR, Ser.Fiz.-Mat.Navuk No.4, 126 (1971)

Authors: A.P.Bogdanov, A.V.Soroka

Title: Gamma Spectra from the Reaction $^{54}\text{Cr}(\text{n},\gamma)^{55}\text{Cr}$

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Cr}(\text{n},\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma$. ^{55}Cr deduced levels, L, J, π .

Keynumber: 1971BLZS

Coden: CONF CONF-710301(Knoxville),Vol2,P889,11/2/71

Keyword abstract: NUCLEAR REACTIONS 50 , 52 , 53 , $^{54}\text{Cr}, V$, $^{60}\text{Ni}(\text{n},\gamma)$, $E=\text{resonance}$; analyzed available data. 51 , 53 , 54 , ^{55}Cr , ^{52}V , ^{61}Ni deduced resonance parameters.

Keynumber: 1970STZY

Coden: THESIS R G Stieglitz, RPI, DABBB 31B 6822

Keyword abstract: NUCLEAR REACTIONS V, ^{60}Ni , 50 , 52 , 53 , $^{54}\text{Cr}(\text{n},\text{X})$, (n,γ) , $E < 300\text{ keV}$; measured transmission, $\sigma(E; E\gamma)$. ^{61}Ni , 51 , 53 , 54 , ^{55}Cr deduced resonance parameters.

Keynumber: 1970BLZS

Coden: REPT RPI-328-222, R C Block,10/13/71

Keyword abstract: NUCLEAR REACTIONS 50 , 52 , 53 , $^{54}\text{Cr}, V$, $^{60}\text{Ni}(\text{n},\text{X})$, (n,γ) , $E=\text{resonance}$; measured $\sigma(E)$, $\sigma(E, E\gamma)$. 51 , 53 , 54 , ^{55}Cr deduced resonances, level-width.
