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8 reference(s) found :

Keynumber: 1999ZHJM

Reference: INDC(CPR)-049/L, p.76 (1999)

Authors: C.Zhou

Title: Prompt γ -Ray Data Evaluation of Thermal-Neutron Capture for $A = 1 \text{ \& } 25$

Keyword abstract: NUCLEAR REACTIONS $^1, ^2\text{H}$, $^6, ^7\text{Li}$, ^9Be , $^{12}, ^{13}\text{C}$, ^{14}N , $^{16}, ^{17}\text{O}$, ^{19}F , $^{20}, ^{21}, ^{22}\text{Ne}$, ^{23}Na , $^{24}, ^{25}\text{Mg}(n,\gamma)$, E=thermal; compiled, evaluated prompt γ -ray data.

Keynumber: 1986PR05

Reference: Z.Phys. A325, 321 (1986)

Authors: W.V.Prestwich, T.J.Kennett, J.-S.Tsai

Title: The Thermal Neutron Capture Gamma-Ray Spectrum of Neon

Keyword abstract: NUCLEAR REACTIONS $^{20}, ^{21}, ^{22}\text{Ne}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma$. $^{21}, ^{22}, ^{23}\text{Ne}$ deduced transitions, neutron separation energies. Natural target, pair spectrometer.

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=low; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

Keynumber: 1983ALZS

Reference: NEANDC(E)-242U, Vol.V, p.1 (1983)

Authors: J.Almeida, F.Kappeler

Title: Isotopic Neon Cross Sections for a Study of Neutron Balance and Temperature During s-Process Nucleosynthesis

Keyword abstract: NUCLEAR REACTIONS $^{20}, ^{21}, ^{22}\text{Ne}(n,\gamma)$, E=5-400 keV; measured capture σ (E), σ ; deduced Maxwellian averaged σ , s-process temperature lower limit.

Keynumber: 1982ALZU

Coden: REPT KfK-3347, Almeida

Keyword abstract: NUCLEAR REACTIONS $^{20}, ^{21}, ^{22}\text{Ne}(n,\gamma)$, E=5-200 keV; measured σ (capture) vs E. $^{20}, ^{21}, ^{22}\text{Ne}(n,X)$, E=5-800 keV; measured σ (total) vs E; deduced Maxwellian $\langle \sigma \rangle$ average s-process temperature.

Keynumber: 1981ALZQ

Reference: NEANDC(E)-222U, Vol.V, p.1 (1981)

Authors: J.Almeida, D.Erbe, F.Kappeler

Title: Neutron Total and Capture Cross Sections of the Stable Ne Isotopes

Keyword abstract: NUCLEAR REACTIONS Ne , $^{21}, ^{22}\text{Ne}(n,n)$, (n, γ), E <800 keV: measured σ (total), σ

(capture) vs E. Tof,natural,enriched targets,C₆D₆ detectors.

Keynumber: 1977RI14

Reference: Nucl.Instrum.Methods 144, 323 (1977)

Authors: M.Riihonen, J.Keinonen

Title: Measurements of Absolute Resonance Strengths in (p, γ) Reactions on Rare or Gaseous Nuclei

Keyword abstract: NUCLEAR REACTIONS ²⁰, ²¹, ²²Ne, ⁵⁴, ⁵⁶, ⁵⁷, ⁵⁸Fe(n, γ); measured yields. ⁵⁵, ⁵⁷, ⁵⁸, ⁵⁹Co deduced resonance strength.

Keynumber: 1971BE34

Reference: Atomkernenergie 17, 145 (1971)

Authors: D.Bellman

Title: Strahlungsübergänge vom Stickstoff und natürlichen Neon nach Einfang thermischer Neutronen

Keyword abstract: NUCLEAR REACTIONS ¹⁴N, ²⁰, ²¹, ²²Ne(n, γ),E=thermal; measured E γ ,I γ ; deduced Q. ¹⁵N, ²¹, ²², ²³Ne deduced transitions.