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8 reference(s) found :

Keynumber: 2001HAZT

Reference: INDC(CPR)-053/L, p.23 (2001)

Authors: Y.Han

Title: Calculation and Recommendation of $n + {}^{174,176-180}\text{NatHf}$ Reactions

Keyword abstract: NUCLEAR REACTIONS $\text{Hf}, {}^{174}, {}^{176}, {}^{177}, {}^{178}, {}^{179}, {}^{180}\text{Hf}(n,n), (n,n'), (n,\gamma), (n,2n), (n,p), E < 20 \text{ MeV};$ calculated σ . Comparisons with data.

Keynumber: 2000WAZW

Reference: INDC(CPR)-052/L, p.103 (2000)

Authors: T.Wang, T.Liu, J.Liu

Title: The Experimental Data Evaluation for Natural Hf and Its Isotopes

Keyword abstract: NUCLEAR REACTIONS ${}^{176}, {}^{177}, {}^{178}, {}^{179}, {}^{180}\text{Hf}(n,\gamma), E < 3 \text{ MeV}; \text{Hf}(n,\gamma), (n,X), E < 20 \text{ MeV};$ compiled,evaluated σ .

Keynumber: 2000LIZU

Reference: INDC(CPR)-052/L, p.72 (2000)

Authors: J.Liu, T.Wang, T.Liu

Title: Progress on Theoretical Calculations of Neutron Induced Reaction on ${}^{174,176,178,180}\text{Hf}$ in the Energy Region from 0.01 MeV to 20 MeV

Keyword abstract: NUCLEAR REACTIONS ${}^{174}, {}^{176}, {}^{178}, {}^{180}\text{Hf}(n,X), (n,p), (n,\alpha), (n,\gamma), E < 20 \text{ MeV};$ calculated σ . Comparisons with data.

Keynumber: 1997HUZX

Reference: INDC(CPR)-043/L, p.47 (1997)

Authors: X.Huang, H.Lu

Title: Theoretical Calculation of Neutron Cross Sections for ${}^{176}\text{Hf}$

Keyword abstract: NUCLEAR REACTIONS ${}^{176}\text{Hf}(n,\gamma), (n,p), (n,d), (n,t), (n,2n), (n,3n), E < 20 \text{ MeV};$ calculated σ . Comparison with data.

Keynumber: 1994GEZY

Reference: Proc.8th Int.Symposium on Capture Gamma-Ray Spectroscopy and Related Topic, Fribourg, Switzerland, 20-24 September 1993, J.Kern, Ed., World Scientific, Singapore, p.581 (1994)

Authors: G.P.Georgiev, Yu.V.Grigoriev, G.V.Muradyan, N.B.Yaneva

Title: Multiplicity of Gamma-Rays in Neutron Resonances of ${}^{176}\text{Hf}$ and ${}^{179}\text{Hf}$

Keyword abstract: NUCLEAR REACTIONS ${}^{176}, {}^{179}\text{Hf}(n,\gamma), E$ not given; measured γ -multiplicity vs resonance spin. ${}^{176}, {}^{179}\text{Hf}$ deduced resonance features.

Keynumber: 1984BE34

Reference: Phys.Rev. C30, 464 (1984)

Authors: H.Beer, G.Walter, R.L.Macklin, P.J.Patchett

Title: Neutron Capture Cross Sections and Solar Abundances of ${}^{160}, {}^{161}\text{Dy}, {}^{170}, {}^{171}\text{Yb}, {}^{175}, {}^{176}\text{Lu}$, and ${}^{176}, {}^{177}\text{Hf}$ for the s-Process Analysis of the Radionuclide ${}^{176}\text{Lu}$

Keyword abstract: NUCLEAR REACTIONS ${}^{160}, {}^{161}\text{Dy}, {}^{170}, {}^{171}\text{Yb}, {}^{175}, {}^{176}\text{Lu}, {}^{176}, {}^{177}\text{Hf}(n,\gamma), E \approx 3-500 \text{ keV};$ measured $\sigma(E), \gamma$ yields; deduced Maxwellian $\langle \sigma \rangle$ solar abundances, s-process temperature

constraints. $^{176, 177}\text{Lu}$, $^{177, 178}\text{Hf}$, $^{161, 162}\text{Dy}$, $^{171, 172}\text{Yb}$ deduced resonances, parameters, $(g\Gamma_n\Gamma_\gamma/\Gamma)$, s-wave strength functions.

Keynumber: 1983YA06

Reference: J.Nucl.Sci.Technol.(Tokyo) 20, 722 (1983)

Authors: T.Yamamoto

Title: Evaluation of Neutron Capture Gamma-Ray Spectra in Hafnium and Tantalum

Keyword abstract: NUCLEAR REACTIONS $^{174, 176, 177, 178, 179, 180}\text{Hf}$, $^{181}\text{Ta}(n,\gamma)$, E=thermal; $^{181}\text{Ta}(n,\gamma)$, E=0.25,0.5 MeV; calculated capture E_γ, I_γ . ^{182}Ta , $^{175, 177, 178, 179, 180, 181}\text{Hf}$ deduced level density parameters. Cascade model.

Keynumber: 1971KIZF

Coden: REPT KAPL-3944,G J Kirouac,3/23/72

Keyword abstract: NUCLEAR REACTIONS $^{176, 177, 178, 179, 180}\text{Hf}(n,\gamma)$, E=thermal; measured σ .