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6 reference(s) found :

Keynumber: 2000VE09

Reference: J.Radioanal.Nucl.Chem. 246, 161 (2000)

Authors: M.L.Verheijke

Title: On the Relation between the Effective Resonance Energy and the Infinite Dilution Resonance Integral for (n, γ) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{36}S , ^{46}Ca , ^{138}Ce , ^{184}Os , ^{191}Ir (n, γ),E <2 MeV; calculated effective resonance energies. Relationship between resonance energy and infinite dilution resonance integral discussed.

Keynumber: 1997BE42

Reference: Nucl.Phys. A621, 235c (1997)

Authors: H.Beer, C.Coceva, R.Hofinger, P.Mohr, H.Oberhummer, P.V.Sedyshev, Yu.P.Popov

Title: Measurement of Direct Neutron Capture by Neutron-Rich Sulfur Isotopes

Keyword abstract: NUCLEAR REACTIONS 34 , ^{36}S (n, γ),E=reactor; measured E γ ,I γ ; deduced capture σ . 35 , ^{37}S deduced levels,J, π ,spectroscopic factors. Direct capture model.

Keynumber: [1995BE55](#)

Reference: Phys.Rev. C52, 3442 (1995)

Authors: H.Beer, P.V.Sedyshev, Yu.P.Popov, W.Balogh, H.Herndl, H.Oberhummer

Title: Cross Section of ^{36}S (n, γ) ^{37}S

Keyword abstract: NUCLEAR REACTIONS ^{36}S (n, γ),E=25,151,176,218 keV; measured σ (n, γ),direct capture; deduced stellar reaction rate factor. Fast cyclic activation technique. Samples of elemental sulfur enriched in ^{36}S .

Keynumber: [1985RA15](#)

Reference: Phys.Rev. C32, 18 (1985)

Authors: S.Raman, R.F.Carlton, J.C.Wells, E.T.Jurney, J.E.Lynn

Title: Thermal Neutron Capture Gamma Rays from Sulfur Isotopes: Experiment and theory

Keyword abstract: NUCLEAR REACTIONS 34 , 33 , 32 , ^{36}S (n, γ),E=thermal; measured E γ ,I γ ; deduced model dependent effects. 33 , 34 , 35 , ^{37}S deduced levels, γ -branching,J, π ,E1 transition. Potential capture theory.

Keynumber: 1984RA09

Reference: Phys.Rev. C30, 26 (1984)

Authors: S.Raman, W.Ratynski, E.T.Jurney, M.E.Bunker, J.W.Starner

Title: ^{36}S (n, γ) ^{37}S Reaction with Thermal Neutrons and Decay of ^{37}S to Levels in ^{37}Cl

Keyword abstract: RADIOACTIVITY ^{37}S (β^-); measured E γ ,I γ ; deduced log ft. ^{37}Cl deduced levels.

Keyword abstract: NUCLEAR REACTIONS ^{36}S (n, γ),E=thermal; measured E γ ,I γ . ^{37}S deduced levels,neutron separation energy.

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.
