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17 reference(s) found :

Keynumber: 2000RE01
Reference: Astrophys.J. 528, 573 (2000)
Authors: R.Reifarth, K.Schwarz, F.Kappeler
Title: The Stellar Neutron-Capture Rate of ^{34}S: The origin of ^{36}S challenged
Keyword abstract: NUCLEAR REACTIONS ^{34}S(n,γ),E <100 keV; measured σ; deduced implications
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G.Reffo, A.Ventura, C.Grandi, Eds., Editrice Compositori, Italy, Pt.2, p.1621 (1997)
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Authors: H.Beer, C.Coceva, R.Hofinger, P.Mohr, H.Oberhummer, P.V.Sedyshev, Yu.P.Popov
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σ. $^{35, 37}$S deduced levels,J,π,spectroscopic factors. Direct capture model.

Keynumber: 1988RA10
Reference: J.Phys.(London) G14, Supplement S223 (1988)
Authors: S.Raman, S.Kahane, J.E.Lynn
Title: Direct Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{9}Be, $^{12, 13}$C, $^{24, 25, 26}$Mg, $^{32, 34, 33}$S, $^{40, 44}$Ca
(n,γ),E=slow; calculated capture σ.

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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 Eγ,Iγ; deduced
model dependent effects. $^{33, 34, 35, 37}$S deduced levels,γ-branching,J,π,E1 transition. Potential capture
theory.

Keynumber: 1983SA30
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Authors: D.G.Sargood
Title: Effect of Excited States on Thermonuclear Reaction Rates
Keyword abstract: NUCLEAR REACTIONS,ICPND $^{20, 21, 22}$Ne, ^{23}Na, $^{24, 25, 26}$Mg, ^{27}Al, $^{28, 29,}$
^{30}Si, ^{31}P, $^{32, 33, 34, 36}$S, $^{35, 37}$Cl, $^{36, 38, 40}$Ar, $^{39, 40, 41}$K, $^{40, 42, 43, 44, 46, 48}$Ca, ^{45}Sc, $^{46, 47, 48, 49,}$
^{50}Ti, $^{50, 51}$V, $^{50, 52, 53, 54}$Cr, ^{55}Mn, $^{54, 56, 57, 58}$Fe, ^{59}Co, $^{58, 60, 61, 62, 64}$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), ^{70}Zn(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: 1983RA04

Reference: Phys.Rev. C27, 1188 (1983)

Authors: S.Raman, E.T.Jurney, D.A.Outlaw, I.S.Towner

Title: ^{34}Cl Superallowed β Decay

Keyword abstract: RADIOACTIVITY ^{34}Cl(β$^+$) [from ^{33}S(p,γ)]; ^{35}S(β$^-$); analyzed data. ^{34}Cl deduced Q(β$^+$+EC),T$_{1/2}$,ft. ^{35}S deduced Q(β$^-$).

Keyword abstract: NUCLEAR REACTIONS $^{32, 33, 34}$S(n,γ),E=thermal; measured Eγ. $^{33, 34, 35}$S deduced neutron separation energy. $^{33, 34}$S(p,γ),E=0.9-1.4 MeV; measured Eγ. ^{34}Cl, ^{35}Cl deduced resonances,proton separation energy.

Keynumber: 1980PIZN

Coden: CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko

Keyword abstract: NUCLEAR REACTIONS $^{22, 23}$Na,Mg, $^{24, 25, 26}$Mg, ^{27}Al,Si, $^{28, 29, 30}$Si, ^{31}P,S, $^{32, 33, 34}$S,Cl, $^{35, 36, 37}$Cl,Ar, $^{36, 38, 40}$Ar,K, $^{39, 40, 41}$K,Ca, $^{40, 42, 43, 44, 46, 48}$Ca, $^{45, 46}$Sc,Ti, $^{46, 47, 48, 49, 50}$Ti,V, $^{50, 51}$V,Cr, $^{50, 52, 53, 54}$Cr,Fe, $^{54, 56, 57, 58}$Fe, ^{59}Co,Ni, $^{58, 59, 60, 61, 62, 64}$Ni,Cu, $^{63, 65}$Cu,Zn, $^{64, 66, 67, 68, 70}$Zn,Ga, $^{69, 71}$Ga(n,γ), (n,n), (n,α),E=thermal; evaluated σ,radiative capture resonance integrals.

Keynumber: 1980CAZX

Coden: JOUR BAPSA 25 543,EG12,Carlton

Keyword abstract: NUCLEAR REACTIONS ^{34}S(n,γ),E=thermal; measured Eγ,Iγ. ^{35}S deduced levels,γ-branching,S(n).

Keynumber: 1973IS08

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Authors: H.Ishikawa

Title: Measurements of Neutron Reaction Cross Sections Using a Liquid Scintillation Spectrometer

Keyword abstract: NUCLEAR REACTIONS ^{2}H, ^{31}P, ^{34}S, ^{44}Ca, ^{62}Ni(n,γ); measured σ(E).

Keynumber: 1972JAZK

Coden: REPT INDC(SEC)-28/L,P139,12/1/72,NDP

Keyword abstract: NUCLEAR REACTIONS ^{30}Si, ^{34}S(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{35}S, ^{31}S; deduced transitions.

Keynumber: 1972DZ13

Reference: Yad.Fiz. 15, 1093 (1972); Sov.J.Nucl.Phys. 15, 605 (1972)

Authors: J.D.Jafar, A.A.Abdullah, N.K.Al-Kuraishi, M.S.Alvash, M.A.Khalil, A.M.Demidov

Title: Spectra of γ Rays Produced in Si^{30} and S^{34} Capture of Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{30}Si, ^{34}S(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{31}Si, ^{35}S deduced levels,J,π,γ-branching.

Keynumber: 1970JAZO

Reference: Nucl.Research Inst., Tuwaitha, Baghdad, Iraq Report No.PH-9 (1970)

Authors: J.D.Jafar, A.A.Abdulla, N.H.Al-Quraishi, M.S.Alwash, M.A.Khalil, A.M.Demidov

Title: Gamma Rays from Thermal Neutron Capture in ^{30}Si and ^{34}S

Keyword abstract: NUCLEAR REACTIONS ^{30}Si, ^{34}S(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{31}Si, ^{35}S deduced levels,γ-branching.

Keynumber: 1970JAZN

Coden: REPT PH-7,J Jafar

Keyword abstract: NUCLEAR REACTIONS ^{20}Ne, ^{24}Mg, ^{30}Si, ^{32}S, ^{34}S, ^{36}Ar, ^{40}Ca, ^{27}Al (n,γ),E=thermal; surveyed,analyzed Eγ,Iγ data. ^{21}Ne, ^{25}Mg, ^{31}Si, ^{33}, ^{35}S, ^{37}Ar, ^{41}Ca, ^{28}Al deduced levels,γ-branching.

Keynumber: 1970JAZM

Coden: REPT IAEA TA 523

Keyword abstract: NUCLEAR REACTIONS ^{30}Si, ^{34}S(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{31}Si, ^{35}S deduced levels,J,π.

Keynumber: 1967KO30

Reference: Nukleonik 10, 278 (1967)

Authors: W.Kohler, K.Knopf

Title: Gemittelter Wirkungsquerschnitt der Reaktion ^{34}S(n,γ)^{35}S fur thermische Neutronen

Keyword abstract: NUCLEAR REACTIONS ^{34}S(n,γ),E=thermal; measured σ.

Keynumber: 1967KE07

Reference: Nucl.Phys. A96, 658(1967)

Authors: T.J.Kennett, N.P.Archer, L.B.Hughes

Title: Study of Thermal Neutron Capture in Sulphur

Keyword abstract: NUCLEAR REACTIONS ^{32}, ^{34}S(n,γ), E = thermal; measured Eγ, Iγ, γγ- coin. ^{33}S, ^{35}S deduced levels, branching, Q. Natural target, Ge(Li) detector.