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24 reference(s) found :

Keynumber: 1999HO26
Reference: Astrophys.J. 521, 735 (1999)
Authors: R.D.Hoffman, S.E.Woosley, T.A.Weaver, T.Rauscher, F.-K.Thielemann
Title: The Reaction Rate Sensitivity of Nucleosynthesis in Type II Supernovae
Keyword abstract: NUCLEAR REACTIONS ^{32}S, ^{39}K, ^{45}, ^{46}Ca, ^{50}V, ^{69}, ^{70}Zn(n,γ), ^{33}S, ^{43}Ca, ^{44}Sc (p,γ), ^{33}S, ^{40}K, ^{45}Ti(n,α), ^{40}K, ^{45}Ti(n,p), ^{44}Ti(α,p), ^{24}Mg, ^{28}Si, ^{32}S, ^{36}Ar, ^{40}Ca, ^{44}Ti(α,γ),E not given; analyzed stellar reactions rates. Several libraries compared.

Keynumber: 1989DU03
Reference: Nucl.Instrum.Methods Phys.Res. A278, 484 (1989)
Authors: P.Durner, T.von Egidy, F.J.Hartmann
Title: Neutron-Capture Gamma Rays below 40 keV
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{39}K, ^{51}V, ^{127}I, ^{133}Cs, ^{159}Tb, ^{165}Ho, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{191}Ir, ^{197}Au, ^{232}Th(n,γ),E=low; meaured Eγ,absolute Iγ. ^{28}Al, ^{40}K, ^{52}V, ^{128}I, ^{134}Cs, ^{160}Tb, ^{166}Ho, ^{170}Tm, ^{176}Lu, ^{182}Ta, ^{192}Ir, ^{198}Au, ^{233}Th deduced transitions. Si-Li detector.

Keynumber: 1988SE06
Reference: Z.Phys. A330, 141 (1988)
Authors: H.Seyfarth, S.Brant, P.Gottel, V.Paar, D.Vorkapic, D.Vretenar
Title: Low-Lying States and Degree of Chaoticity of ^{40}K in IBFFM
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ),E=thermal; measured γγ(θ),Eγ,Iγ. ^{40}K deduced levels,J,π,γ-branching ratios,δ,γ-multipolarity. Interacting boson-fermion-fermion model.

Keynumber: **1986KR16**
Reference: Phys.Rev. C34, 2103 (1986)
Authors: B.Krusche, K.P.Lieb
Title: Dipole Transition Strengths and Level Densities A ≤ 80 Odd-Odd Nuclei Obtained from Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{27}Al, ^{31}P, ^{35}Cl, ^{39}, ^{41}K, ^{45}Sc, ^{55}Mn, ^{59}Co, ^{63}, ^{65}Cu, ^{71}Ga, ^{75}As, ^{79}Br(n,γ),E=thermal; analyzed data. ^{20}F, ^{24}Na, ^{28}Al, ^{32}P, ^{36}Cl, ^{40}, ^{42}K, ^{46}Sc, ^{56}Mn, ^{60}Co, ^{64}, ^{66}Cu, ^{72}Ga, ^{76}As, ^{80}Br deduced primary E1,M1 transition strengths,level density parameters. Bethe,constant temperature Fermi gas models.

Keynumber: 1985VOZV
Reference: Proc.AIP Conf.Capture Gamma-Ray Spectroscopy and Related Topics, Knoxville, Tenn., (1984), S.Raman, Ed., AIP, New York, p.305 (1985)
Authors: T.von Egidy, P.Hungerford, H.H.Schmidt, H.J.Scheerer, A.N.Behkami, G.Hlawatsch, B.Krusche, K.P.Lieb, H.G.Borner, S.A.Kerr, K.Schreckenbach
Title: Structural and Statistical Aspects of Extensive Level Schemes from (n,γ) and Transfer Reactions
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{27}Al, ^{35}Cl, ^{39}, ^{40}, ^{41}K, ^{113}Cd, ^{133}Cs, ^{154}Sm, ^{153}Eu, ^{154}Gd, ^{160}, ^{162}Dy(n,γ), (n,e),E not given; measured not given. ^{20}F, ^{24}Na, ^{28}Al, ^{36}Cl, ^{40}, ^{41}, ^{42}K, ^{114}Cd, ^{134}Cs, ^{155}Sm, ^{154}Eu, ^{155}Gd, ^{161}, ^{163}Dy deduced levels,γ-transition multipolarity,strength distribution.

Keynumber: 1984VO01
Reference: J.Phys.(London) G10, 221 (1984)
Authors: T.von Egidy, H.Daniel, P.Hungerford, H.H.Schmidt, K.P.Lieb, B.Krusche, S.A.Kerr, G.Barreau, H.G.Borner, R.Brissot, C.Hofmeyr, R.Rascher
Title: Levels and Gamma Transitions of ^{40}K Studied by Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ),E=thermal; measured Eγ,Iγ. ^{40}K deduced neutron binding energy,levels,J,π,γ-branching. Shell,statistical models.

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, ^{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: 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: 1977CL03
Reference: Phys.Lett. 71B, 10 (1977)
Authors: C.F.Clement, A.M.Lane, J.Kopecky
Title: Correlations in M1 Neutron Capture as Evidence for a Semi-Direct Mechanism
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{25}Mg, ^{27}Al, ^{29}Si, ^{31}P, ^{35}, ^{37}Cl, ^{39}K, ^{43}Ca (n,γ), (d,p); analyzed correlations between reaction types.

Keynumber: 1974OP01
Reference: Nucl.Phys. A222, 388 (1974)
Authors: A.M.F.Op Den Kamp
Title: Circular Polarization and γ-γ Angular Correlation Measurements in the ^{39}K(n,γ)^{40}K Reaction
Keyword abstract: NUCLEAR REACTIONS ^{39}K(polarized n,γ),E=thermal; measured circular polarization pγ(θ),σ(Eγ,θ(γ)). ^{40}K levels deduced J,π,γ-mixing,fractions in the capture state. Natural target.

Keynumber: 1974ISZX
Coden: THESIS DABBB 34B 5613
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{27}Al, ^{31}P, ^{35}Cl, ^{39}K(n,γ),E=thermal; measured Eγ,Iγ. ^{20}F, ^{24}Na, ^{28}Al, ^{32}P, ^{36}Cl, ^{40}K deduced levels,Q,γ-multiplicity,level-width.

Keynumber: 1973OPZZ
Coden: REPT RCN-184
Keyword abstract: NUCLEAR REACTIONS K, ^{39}, ^{41}K, ^{57}Fe(n,γ); measured Eγ,Iγ,γγ(θ),Q. ^{40}, ^{42}K deduced levels,J,π,γ-branching. ^{58}Fe levels deduced J.
Keyword abstract: RADIOACTIVITY ^{40}, ^{42}K; measured Eγ,Iγ.

Keynumber: 1973OPZX
Coden: REPT RCN-203 P298
Keyword abstract: NUCLEAR REACTIONS ^{39}K(polarized n,γ); measured Eγ,Iγ,CP,γγ(θ). ^{40}Ca levels deduced J,π,γ-mixing.

Keynumber: 1972SE19
Reference: Nucl.Instrum.Methods 105, 301 (1972)
Authors: H.Seyfarth, A.M.Hassan, B.Hrastnik, P.Gottel, W.Delang
Title: Efficiency Determination for Some Standard Type Ge(Li) Detectors for Gamma-Rays in the Energy Range from 0.04 to 11 MeV
Keyword abstract: NUCLEAR REACTIONS ^{39}K, ^{45}Sc(n,γ),E=thermal; measured Eγ,Iγ. ^{40}K, ^{46}Sc deduced transitions.

Keynumber: 1972OPZZ
Coden: CONF Budapest,Contributions,P104,A M F Op den Kamp,10/11/72
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ), measured γ-CP. ^{40}K level deduced J.

Keynumber: 1972OP02
Reference: Phys.Lett. 39B, 204 (1972)
Authors: A.M.F.Op den Kamp, J.Kopecky, F.Stecher-Rasmussen, K.Abrahams, P.M.Endt
Title: Interference of the Two Spin Components of the Capture State in the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ),E=thermal; measured γ-CP; deduced interference of 2 spin components in capture state.

Keynumber: 1972OP01
Reference: Nucl.Phys. A180, 569 (1972)
Authors: A.M.F.Op den Kamp, A.M.J.Spits
Title: Gamma Rays from Thermal-Neutron Capture in Natural and ^{39}K Enriched Potassium
Keyword abstract: NUCLEAR REACTIONS ^{39}, ^{41}K, ^{1}H, ^{6}Li, ^{12}C, ^{19}F, ^{40}Ar, ^{56}Fe, ^{207}Pb(n,γ),E= thermal; ^{19}F, ^{28}Si(n,n'γ),E=fast; measured Eγ,Iγ. ^{39}K(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin; deduced Q. ^{40}, ^{42}K deduced levels,γ-branching. Ge(Li),NaI detectors.

Keynumber: 1972GOZN
Coden: CONF Budapest,Contributions,P114,10/12/72
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ),E=thermal; measured γγ(θ),Eγ,Iγ,γγ-coin; deduced Q. ^{40}K deduced levels,J,π.

Keynumber: 1971GOYN
Coden: REPT JUL-788-NP,P Goettel
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ),E=thermal; measured γγ-coin,γγ(θ). ^{154}Eu; measured γγ-coin,γγ(θ). ^{40}K, ^{154}Gd levels deduced γ-mixing.

Keynumber: 1970JO04
Reference: Can.J.Phys. 48, 1109 (1970)
Authors: L.V.Johnson, T.J.Kennett
Title: Study of Thermal Neutron Capture in Potassium
Keyword abstract: NUCLEAR REACTIONS ^{39}, ^{41}K(n,γ), E=thermal; measured Eγ, Iγ, γγ-coin; deduced Q. ^{40}K deduced levels, J, π, γ-branching. Ge(Li) detectors.

Keynumber: 1970EI03
Reference: Z.Phys. 233, 154 (1970)
Authors: J.Eichler, F.Djadali
Title: Beitrag zur Kernspektroskopie an ^{36}Cl, ^{90}Y und ^{40}K durch Messung der Polarisation von γ-Strahlung nach Neutroneneinfang
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{39}K, ^{89}Y(polarized n,γ), E=thermal; measured γ-circular polarization. ^{36}Cl level deduced γ-mixing. ^{40}K, ^{90}Y levels deduced J, π.

Keynumber: 1969BO04
Reference: Can.J.Phys. 47, 591(1969)
Authors: J.F.Boulter, W.V.Prestwich, B.Arad
Title: Lifetime of the 29.4 keV Level in ^{40}K
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ),E=thermal; measured γγ-delay. ^{40}K deduced $T_{1/2}$.

Keynumber: 1969AB03
Reference: Nucl.Phys. A124, 34 (1969)
Authors: K.Abrahams, W.Ratynski
Title: Circular Polarization of γ-Radiation After Capture of Polarized Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{39}K, ^{40}Ca, ^{48}Ti, ^{59}Co, ^{113}Cd, ^{207}Pb(n,γ), E=thermal; measured Pγ, Eγ. ^{40}K, ^{41}Ca, ^{49}Ti, ^{60}Co, ^{114}Cd, ^{208}Pb, deduced levels, J, delta. Natural targets, Ge(Li) detector.

Keynumber: 1966KE07
Reference: Nucl.Phys. 89, 254(1966)
Authors: T.J.Kennett, L.B.Hughes, W.V.Prestwich
Title: The ^{39}K(n,γ)^{40}K Reaction
Keyword abstract: NUCLEAR REACTIONS ^{39}K(n,γ), E = th; measured Eγ, Iγ, deduced Q. ^{40}K deduced levels. Natural target.
