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18 reference(s) found :

Keynumber: 1999ZHZM
Reference: INDC(CPR)-049/L, p.76 (1999)
Authors: C.Zhou
Title: Prompt γ-Ray Data Evaluation of Thermal-Neutron Capture for A = 1 ϑ 25
Keyword abstract: NUCLEAR REACTIONS ^{1}, ^{2}H, ^{6}, ^{7}Li, ^{9}Be, ^{12}, ^{13}C, ^{14}N, ^{16}, ^{17}O, ^{19}F, ^{20}, ^{21}, ^{22}Ne, ^{23}Na, ^{24}, ^{25}Mg(n,γ),E=thermal; compiled, evaluated prompt γ-ray data.

Keynumber: **1992WA06**
Reference: Phys.Rev. C45, 1597 (1992)
Authors: T.A.Walkiewicz, S.Raman, E.T.Jurney, J.W.Starner, J.E.Lynn
Title: Thermal-Neutron Capture by Magnesium Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{24}, ^{25}, ^{26}Mg(n,γ),E=thermal; measured Eγ,Iγ; deduced capture σ. ^{26}, ^{27}, ^{25}Mg deduced levels,neutron separation energies,γ-multipolarity. Direct capture theory.

Keynumber: 1991KI04
Reference: Nucl.Phys. A529, 39 (1991)
Authors: S.W.Kikstra, Z.Guo, C.van der Leun, P.M.Endt, S.Raman, T.A.Walkiewicz, J.W.Starner, E.T.Jurney, I.S.Towner
Title: Superallowed ^{26m}Al(β^++EC)^{26}Mg Decay
Keyword abstract: NUCLEAR REACTIONS ^{25}Mg(n,γ),E=thermal; measured Eγ,Iγ. ^{26}Mg deduced neutron separation energy. ^{25}Mg(p,γ),E=0.7-1.2 MeV; measured Ep,Eγ. ^{26}Al deduced resonances,proton separation energy,isomer (β^++EC) decay Q,log ft. Enriched targets.

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: J.Phys.(London) G14, Supplement S207 (1988)
Authors: Y.K.Ho, C.Coceva
Title: Nucleon Effective Charge in E1 and E2 Radiative Transitions
Keyword abstract: NUCLEAR REACTIONS ^{25}Mg, ^{27}Al, ^{29}Si(n,γ),E not given; calculated E1 transition inhibition factors. ^{89}Y, ^{90}, ^{91}Zr, ^{93}Nb, ^{92}, ^{94}, ^{96}, ^{98}Mo, ^{136}Ba, ^{139}La, ^{141}Pr, ^{142}, ^{143}, ^{145}, ^{146}, ^{148}Nd, ^{154}Sm, ^{181}Ta, ^{184}W(n,γ),E not given; analyzed nonstatistical Γγ data; deduced neutron effective charge enhancement factor.

Keynumber: **1986CA15**
Reference: Phys.Rev. C34, 408 (1986)
Authors: B.Castel, Y.K.Ho
Title: Direct E2 Neutron Capture in Light Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{20}Ne, ^{25}Mg(n,γ),E=thermal; calculated E1,E2 capture σ (E); deduced effective neutron charge multipolarity dependence,particle-core coupling differences role.

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: 1982HU02
Reference: Nucl.Instrum.Methods 192, 609 (1982)
Authors: P.Hungerford, H.H.Schmidt
Title: Neutron Binding and Excitation Energies of Some Magnesium Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{24}, ^{25}, ^{26}Mg(n,γ),E=thermal; measured Eγ. ^{25}, ^{26}, ^{27}Mg deduced levels,neutron binding 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: 1980IS02
Reference: Can.J.Phys. 58, 168 (1980)
Authors: M.A.Islam, T.J.Kennett, S.A.Kerr, W.V.Prestwich
Title: A Self-Consistent Set of Neutron Separation Energies
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{9}Be, ^{14}N, ^{24}, ^{25}Mg, ^{27}Al, ^{28}, ^{29}Si, ^{32}S, ^{35}Cl, ^{40}, ^{44}Ca, ^{47}, ^{48}, ^{49}Ti, ^{50}, ^{52}, ^{53}Cr, ^{55}Mn, ^{54}, ^{56}, ^{57}Fe(n,γ),E=thermal; measured Eγ,Iγ. ^{2}H, ^{10}Be, ^{25}, ^{26}Mg, ^{28}Al, ^{29}, ^{30}Si, ^{33}S, ^{36}Cl, ^{41}, ^{45}Ca, ^{48}, ^{49}, ^{50}Ti, ^{51}, ^{53}, ^{54}Cr, ^{56}Mn, ^{55}, ^{57}, ^{58}Fe deduced Q,neutron binding energy.

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: 1972VAYX
Coden: CONF Teddington(Atomic Masses, Fund Constants),P131
Keyword abstract: NUCLEAR REACTIONS ^{25}Mg(n,γ), (p,γ); ^{26}Mg, ^{26}Al measured Eγ.

Keynumber: 1969SE08
Reference: Nucl.Phys. A139, 375 (1969)
Authors: E.Selin, R.Hardell
Title: Energy Levels of ^{26}Mg Studied with the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{25}Mg(n,γ), E= thermal; measured Eγ, Iγ; deduced Q. ^{26}Mg deduced levels, γ-branching, J, π. Enriched target.

Keynumber: 1969DE27
Reference: Phys.Letters 30B, 639 (1969)
Authors: P.De Wit, C.van der Leun
Title: The ^{26}Al-m Problem
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{25}Mg(n,γ), E = thermal; measured Eγ. ^{25}Mg(p,γ), E = 435 keV; measured Eγ. ^{26m}Al deduced Eβ, ft, vector coupling constant.

Keynumber: 1968CA21
Reference: Proc.Conf.Slow-Neutron-Capture Gamma-Ray Spectr., Argonne, Ill, (1966), F.E.Throw, Ed., ANL-7282, p.375 (1968)
Authors: R.T.Carpenter, D.E.Blatchley
Title: Electromagnetic Transitions in Mg^{26}
Keyword abstract: NUCLEAR REACTIONS ^{25}Mg(n,γ), E = thermal; measured Eγ, Iγ. ^{26}Mg deduced levels,J, π, γ-branching.

Keynumber: 1968BAZZ
Reference: Program and Theses, Proc.18th Ann.Conf.Nucl.Spectroscopy and Struct.Of At.Nuclei, Riga, p.32 (1968)
Authors: I.F.Barchuk, D.A.Bazavov, G.V.Belykh, V.I.Golyshkin, A.V.Murzin, A.F.Ogorodnik
Title: Spectra of γ-Rays Caused by Capture of Slow Neutrons by ^{25}Mg, ^{47}Ti and ^{49}Ti
Keyword abstract: NUCLEAR REACTIONS ^{25}Mg, ^{47}, ^{49}Ti(n,γ), E=slow; measured Eγ, Iγ. ^{26}Mg, ^{48}, ^{50}Ti deduced transitions.

Keynumber: 1967SP05
Reference: Nucl.Phys. A102, 209 (1967)
Authors: P.Spilling, H.Gruppelaar, A.M.F.Op Den Kamp
Title: Thermal-Neutron Capture Gamma Rays from Natural Magnesium and Enriched ^{25}Mg
Keyword abstract: NUCLEAR REACTIONS ^{24}, ^{25}, ^{26}Mg, ^{56}Fe, ^{63}Cu, ^{207}Pb(n,γ), E=thermal; measured σ(Eγ); deduced Q. ^{25}, ^{26}, ^{27}Mg deduced levels, branching. Enriched ^{25}Mg target, Ge(Li) detector.

Keynumber: 1967RA24
Reference: Proc.Intern.Conf.Atomic Masses, 3rd, Winnipeg, Canada, R.C.Barber, Ed., Univ.Manitoba Press, p.278(1967)
Authors: N.C.Rasmussen, V.J.Orphan, Y.Hukai
Title: Determination of (n,γ) Reaction Q Values from Capture γ-Ray Spectra
Keyword abstract: NUCLEAR REACTIONS ^{6}Li, ^{7}Li, ^{9}Be, ^{10}B, ^{12}C, ^{14}N, ^{19}F, ^{23}Na, ^{24}Mg, ^{25}Mg, ^{26}Mg, ^{27}Al, ^{28}Si, ^{31}P, ^{32}S, ^{35}Cl, ^{40}Ca, ^{45}Sc, ^{48}Ti, ^{51}V, ^{55}Mn, ^{54}Fe, ^{56}Fe, ^{59}Co, ^{58}Ni, ^{60}Ni, ^{63}Cu, ^{65}Cu, ^{66}Zn, ^{67}Zn, ^{73}Ge, ^{76}Se, ^{85}Rb, ^{87}Rb, ^{89}Y, ^{93}Nb, ^{103}Rh, ^{113}Cd, ^{123}Te, ^{133}Cs, ^{139}La, ^{141}Pr, ^{149}Sm, ^{153}Eu,

^{157}Gd, ^{159}Tb, ^{165}Ho, ^{167}Er, ^{169}Tm, ^{181}Ta, ^{182}W, ^{195}Pt, ^{197}Au, ^{199}Hg, ^{203}Tl, ^{207}Pb(n,γ), E = thermal; measured Eγ; deduced Q. Natural targets.
