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20 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.

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Authors: H.Kitazawa, M.Igashira, M.Shimizu, K.Muto, T.Oda, Y.Achiha, Y.-H.Lee, N.Mukai
Title: Electric and Magnetic Dipole Transitions from Broad s-Wave Neutron Resonance in Even-Even sd-Shell Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{24}Mg(n,γ),E=658 keV; ^{28}Si(n,γ),E=180 keV; ^{32}S (n,γ),E=103 keV; measured Eγ,Iγ,σ(E,Eγ) at 125^{0}. ^{25}Mg, ^{29}Si, ^{33}S levels deduced transition γ-multipolarity,partial radiative widths. Valence capture shell models,configuration mixing.

Keynumber: 1991MIZQ
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Reference: Phys.Rev. C41, 862 (1990)
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Title: Mechanism for Electric Dipole Transitions from the Broad p-Wave Neutron Resonance in ^{24}Mg
Keyword abstract: NUCLEAR REACTIONS ^{24}Mg(n,γ),E=84-431 keV; measured capture σ(E,Eγ) at 125^{0}. ^{25}Mg deduced resonance J,Γγ. Natural target.

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Authors: V.T.Kupryashkin, N.V.Strilchuk, A.I.Feoktistov, I.P.Shapovalova
Title: Measurements of Lifetime of High-Energy States Excited in (n,γ) Reaction on Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{24}Mg, ^{27}Al, ^{31}P, ^{54}, ^{57}Fe(n,γ),E=thermal; measured

DSA. ^{25}Mg, ^{28}Al, ^{32}P, ^{55}, ^{58}Fe levels deduced $T_{1/2}$. Enriched targets,NaI(Tl),hyperpure Ge detectors.

Keynumber: 1990KOZT
Reference: Program and Thesis, Proc.40th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Leningrad, p.48 (1990)
Authors: Yu.E.Koshutsky, V.T.Kupryashkin, N.V.Strilchuk, A.I.Feoktistov, I.P.Shapovalova
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Keyword abstract: NUCLEAR REACTIONS ^{24}Mg, ^{31}P(n,γ),E=thermal; measured DSA. ^{25}Mg, ^{32}P levels deduced $T_{1/2}$.

Keynumber: 1990KO43
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Authors: S.Raman, S.Kahane, J.E.Lynn
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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.

Keynumber: 1985ZE07
Reference: Chin.J.Nucl.Phys. 7, 273 (1985)
Authors: Zeng Xiantang, Shi Zongren Guo, Taichang Li Guohua
Title: Three Crystal Pair Spectrometer
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{24}Mg, ^{23}Na(n,γ),E not given; measured Eγ,Iγ,γγ-coin; deduced double escape peak to background improvement factor. Three crystal pair spectrometer.

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Authors: D.G.Sargood
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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
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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: 1980AL19
Reference: J.Phys.(London) G6, 1173 (1980)
Authors: B.J.Allen, D.D.Cohen, F.Z.Company
Title: Radiative Widths of Neutron Scattering Resonances
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{24}Mg, ^{27}Al, ^{28}Si, ^{56}Fe, ^{207}Pb(n,γ),E=20-80 keV; measured σ(Eγ,E). ^{20}F, ^{25}Mg, ^{28}Al, ^{29}Si, ^{57}Fe, ^{208}Pb deduced resonances,Γn,L,J,π,Γγ. Moxon-Rae detectors, Monte-Carlo analysis.

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: 1969HAZC
Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p.209 (1969)
Authors: R.Hardell
Title: Gamma Rays from Thermal Neutron Capture in ^{24}Mg
Keyword abstract: NUCLEAR REACTIONS ^{24}Mg(n,γ),E=thermal; measured Eγ,Iγ; deduced Q-value. ^{25}Mg deduced levels,γ-branching.

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.

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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.

Keynumber: 1967BE36
Reference: Phys.Rev. 158, 1049(1967)
Authors: I.Bergqvist, J.A.Biggerstaff, J.H.Gibbons, W.M.Good
Title: Gamma Rays from keV Resonance Neutron Capture in Some (2s-1d)-Shell Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{24}Mg, ^{27}Al, ^{32}S, ^{35}Cl(n,γ),E=20-120 keV; measured Eγ,Iγ. ^{20}F, ^{24}Na, ^{25}Mg, ^{28}Al, ^{33}S, ^{36}Cl deduced resonances,level-width,J,π.
