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24 reference(s) found :

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.

Keynumber: 1987SH03
Reference: Nucl.Instrum.Methods Phys.Res. A254, 139 (1987)
Authors: J.F.Shriner, Jr., G.E.Mitchell, E.G.Bilpuch
Title: Significance Levels of Linear Correlation Coefficients
Keyword abstract: NUCLEAR REACTIONS ^{42}, ^{44}Ca, ^{58}Fe, ^{136}Xe, ^{138}Ba(n,γ),E=thermal; ^{42}, ^{44}Ca, ^{136}Xe, ^{138}Ba(d,p),E ≈ 10 MeV; ^{50}Cr(p,p'), ^{44}Ca(p,γ),E not given; calculated channel,width,amplitude correlation coefficients,significance levels,probability density functions. Bootstrap method.

Keynumber: **1987KA28**
Reference: Phys.Rev. C36, 533 (1987)
Authors: S.Kahane, J.E.Lynn, S.Raman
Title: Analysis of Primary Electric Dipole Gamma Rays from Slow-Neutron Capture by Ca Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{40}, ^{42}, ^{44}, ^{46}, ^{48}Ca(n,γ),E=thermal; calculated direct capture σ. ^{41}, ^{43}, ^{45}, ^{47}, ^{49}Ca deduced resonance parameters. Optical model.

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: 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: 1978VE06
Reference: Nucl.Phys. A299, 429 (1978)
Authors: R.Vennink, W.Ratynski, J.Kopecky
Title: Circular Polarization of Neutron Capture γ-Rays from Ca, Ti, Fe and Ni
Keyword abstract: NUCLEAR REACTIONS ^{42}Ca, ^{44}Ca, ^{46}Ti, ^{56}Fe, ^{58}Fe, ^{64}Ni(polarized n,γ),E=th; measured γ-CP. ^{43}Ca, ^{45}Ca, ^{47}Ti, ^{57}Fe, ^{59}Fe, ^{65}Ni levels deduced J. Enriched targets.

Keynumber: 1977VEZP
Coden: REPT INDC(SEC)-62/L,P141,Vennink
Keyword abstract: NUCLEAR REACTIONS ^{44}Ca(polarized n,γ); measured CP γ. ^{45}Ca levels deduced J,π.

Keynumber: 1977MU02
Reference: Nucl.Phys. A279, 317 (1977)
Authors: A.R.de L.Musgrove, B.J.Allen, J.W.Boldeman, D.M.H.Chan, R.L.Macklin
Title: Odd-Even Effects in Radiative Neutron Capture by ^{42}Ca, ^{43}Ca and ^{44}Ca
Keyword abstract: NUCLEAR REACTIONS ^{42}, ^{43}, ^{44}Ca(n,γ),E >2.5 keV; measured σ(n,γ). ^{43}, ^{44}, ^{45}Ca deduced resonances,Γγ,Γn.

Keynumber: 1974ALZU
Coden: PREPRINT B J Allen,2/11/74
Keyword abstract: NUCLEAR REACTIONS ^{40}, ^{42}, ^{43}, ^{44}Ca(n,γ),E=2.5-600 keV; measured σ(E). ^{41}, ^{43}, ^{44}, ^{45}Ca deduced resonances,γ-width,n-width.

Keynumber: 1973IS08
Reference: Nucl.Instrum.Methods 109, 493 (1973)
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: 1973GEYY
Coden: REPT INDC(SEC)-35/L P6
Keyword abstract: NUCLEAR REACTIONS ^{40}, ^{42}, ^{43}, ^{44}Ca(n,γ); calculatedσ(E). ^{41}, ^{43}, ^{44}, ^{45}Ca levels deduced level-width.

Keynumber: 1972ST04
Reference: Nucl.Phys. A181, 225 (1972)
Authors: F.Stecher-Rasmussen, K.Abrahams, J.Kopecky
Title: Circular Polarization of Neutron Capture γ-Rays from Al, Ar and Ca
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{40}Ar, ^{40}, ^{44}Ca(polarized n,γ);E=thermal; measured γ-CP. ^{28}Al, ^{41}Ar, ^{41}, ^{45}Ca levels deduced J,π. ^{28}Al transition deduced γ-mixing. Natural targets.

Keynumber: 1971CR02
Reference: Nucl.Phys. A169, 95 (1971)
Authors: F.P.Cranston, D.H.White
Title: Thermal Neutron Capture Cross Sections in Calcium
Keyword abstract: NUCLEAR REACTIONS Ca, ^{42}, ^{43}, ^{44}Ca(n,γ), E=thermal; measured Eγ,Iγ, integrated product IγxEγ. ^{40}, ^{42}, ^{43}, ^{44}, ^{46}, ^{48}Ca deduced σ. Enriched targets. Ge(Li), Moxon-Rae detectors.

Keynumber: 1971CH56
Reference: Aust.J.Phys. 24, 671 (1971)
Authors: D.M.H.Chan, J.R.Bird
Title: Study of γ-Radiation Following keV Neutron Capture in Calcium Isotopes
Keyword abstract: NUCLEAR REACTIONS Ca, ^{40}, ^{42}, ^{44}Ca(n,γ), measured Eγ,Iγ. ^{41}, ^{43}, ^{45}Ca deduced resonances,transitions.

Keynumber: 1971BIZV
Coden: REPT ORNL-TM-3379, J R Bird,9/14/71
Keyword abstract: NUCLEAR REACTIONS F,Na,Mg,Al,S, ^{35}Cl,K,Ca, ^{40}, ^{42}, ^{44}Ca,Ti,V,Fe, ^{54}, ^{56}Fe,Ni, ^{58}, ^{60}Ni, ^{63}Cu,Zn(n,γ),E=10-100 keV; measured Eγ,Iγ. 9 inx 12 in NaI detector.

Keynumber: 1971BIZH
Reference: Thesis, Univ.California (1971); UCRL-51060 (1971)
Authors: R.E.Birkett
Title: A Study of Gamma Rays Following Thermal Neutron Capture in ^{42}Ca and ^{44}Ca
Keyword abstract: NUCLEAR REACTIONS ^{42}, ^{44}Ca(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin; deduced Q. ^{43}, ^{45}Ca deduced levels,J,π,γ-branching. Ge(Li),NaI(Tl) detectors.

Keynumber: 1971ARZJ
Coden: CONF Legnaro($1f_{7/2}$ Nuclei),P251
Keyword abstract: NUCLEAR REACTIONS ^{36}Ar, ^{40}Ar, ^{40}K, ^{40}, ^{42}, ^{44}, ^{46}, ^{48}Ca, ^{47}Ti, ^{55}Mn, ^{57}Fe, ^{59}Co(n,γ),E=thermal; surveyed Eγ,Iγ,γγ-coin,γγ(θ),γ-polarization data. ^{37}Ar, ^{41}Ar, ^{41}K, ^{41}, ^{43}, ^{45}, ^{47}, ^{49}Ca, ^{48}Ti, ^{56}Mn, ^{58}Fe, ^{60}Co deduced levels,J,π,γ-mixing.

Keynumber: 1971ALYW
Coden: REPT CONF-730538-1
Keyword abstract: NUCLEAR REACTIONS ^{40}, ^{42}, ^{43}, ^{44}Ca, ^{134}, ^{135}, ^{136}, ^{137}, ^{138}Ba(n,γ); measured σ (E).

Keynumber: 1970SI10
Reference: J.Inorg.Nucl.Chem. 32, 2839 (1970)
Authors: G.H.E.Sims, D.G.Juhnke
Title: The Thermal Neutron Capture Cross-Sections and Resonance Capture Integrals of ^{44}Ca, ^{62}Ni, ^{168}Yb, ^{174}Yb, ^{169}Tm, and ^{203}Tl
Keyword abstract: NUCLEAR REACTIONS ^{44}Ca, ^{62}Ni, ^{168}, ^{174}Yb, ^{169}Tm, ^{203}Tl(n,γ), E=thermal; measured σ; deduced resonance integrals.

Keynumber: 1969GR21
Reference: Nucl.Phys. A133, 545 (1969)
Authors: H.Gruppelaar
Title: Gamma-Gamma Angular-Correlation Measurements in the ^{44}Ca(n,γ)^{45}Ca Reaction
Keyword abstract: NUCLEAR REACTIONS ^{44}Ca(n,γ), E = thermal; measured γγ(θ). ^{45}Ca levels deduced J, γ-mixing. Enriched target; Ge(Li), NaI detectors.

Keynumber: 1969BO31
Reference: Yadern.Fiz. 10, 31 (1969); Soviet J.Nucl.Phys. 10, 17 (1970)
Authors: A.P.Bogdanov, E.A.Rudak, A.V.Soroka, V.N.Tadeush, E.I.Firsov
Title: Investigation of the Gamma-Gamma Coincidences in the Ca^{44}(n,γ)Ca^{45} Reaction
Keyword abstract: NUCLEAR REACTIONS ^{44}Ca(n,γ), E=thermal; measured γγ-coin. ^{45}Ca deduced transitions, γ-branching.

Keynumber: 1968GR11
Reference: Nucl.Phys. A114, 463 (1968)
Authors: H.Gruppelaar, P.Spilling, A.M.J.Spits
Title: Investigation of the ^{44}Ca(n,γ)^{45}Ca Reaction
Keyword abstract: NUCLEAR REACTIONS ^{44}Ca(n,γ), E=thermal; measured Iγ, Eγ; deduced Q. ^{45}Ca deduced levels, branching, J,π. Enriched ^{44}Ca target, Ge(Li) detector.

Keynumber: 1967GR16
Reference: Nucl.Phys. A102, 226 (1967)
Authors: H.Gruppelaar, P.Spilling
Title: Thermal-Neutron Capture Gamma Rays from Natural Calcium
Keyword abstract: NUCLEAR REACTIONS ^{40}, ^{44}Ca(n,γ), E=thermal; measured Eγ, Iγ; deduced Q. ^{41}, ^{45}Ca deduced levels, branching. Enriched ^{40}Ca target, Ge(Li) detector.
