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17 reference(s) found :

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: 1982MEZU
Coden: REPT KfK-3452,Mengoni
Keyword abstract: NUCLEAR REACTIONS ^{42}, ^{48}Ca, ^{136}Xe(n,γ),E=thermal; calculated σ(capture). Lane-Lynn 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: 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: 1977VEZO

Coden: REPT INDC(SEC)-62/L,P144,Vennink

Keyword abstract: NUCLEAR REACTIONS ^{42}Ca(polarized n,γ); measured CP γ. ^{43}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: 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: 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,$\gamma\gamma$-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,$\gamma\gamma$-coin,$\gamma\gamma(\theta)$,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, $^{134, 135, 136, 137, 138}Ba(n,\gamma)$; measured σ(E).

Keynumber: 1969GR08
Reference: Nucl.Phys. A131, 180 (1969)
Authors: H.Gruppelaar, A.M.F.Op Den Kamp, A.M.J.Spits
Title: Investigation of the ^{42}Ca$(n,\gamma)^{43}$Ca Reaction

Keyword abstract: NUCLEAR REACTIONS ^{42}Ca(n,γ), E=thermal; measured Eγ,Iγ,$\gamma\gamma$- coin; deduced Q. ^{43}Ca deduced levels, γ-branching, J. Enriched target, Ge(Li) detector.