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24 reference(s) found :

Keynumber: 1994YE02

Reference: Chin.Phys.Lett. 11, 12 (1994)

Authors: Z.Ye, Y.Li, S.Ding, Z.Bao, X.Yang, C.Rong, X.Ding, J.Zheng

Title: Modified Method for Efficiency Calibration of High Energy γ Detector

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , $^{35, 37}\text{Cl}(n, \gamma)$, E=thermal; $^{19}\text{F}(p, \alpha\gamma)$, E not given; measured radiative capture γ spectra; deduced detector efficiency calibration. High energy Ge γ -detector, Am-Be source also studied.

Keynumber: 1991HI23

Reference: J.Radioanal.Nucl.Chem. 153, 169 (1991)

Authors: P.Z.Hien, T.K.Mai, T.X.Quang, N.V.Loc, T.N.Thuy

Title: Determination of k_0 -Factors of Short-Lived Nuclides ($T \geq 1$ Min) by Thermal Neutron Activation Technique

Keyword abstract: NUCLEAR REACTIONS ^{19}F , ^{37}Cl , ^{45}Sc , ^{76}Se , ^{103}Rh , ^{106}Pd , ^{109}Ag , ^{138}Ce , ^{164}Dy , ^{166}Er , $^{178}\text{Hf}(n, \gamma)$, E=thermal; measured γ -spectra. ^{20}F , $^{38\text{m}}\text{Cl}$, $^{46\text{m}}\text{Sc}$, $^{77\text{m}}\text{Se}$, ^{104}Rh , ^{107}Pd , ^{110}Ag , $^{139\text{m}}\text{Ce}$, $^{165\text{m}}\text{Dy}$, $^{167\text{m}}\text{Er}$, $^{179\text{m}}\text{Hf}$ deduced k_0 -Au factors.

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 $^{20, 21, 22}\text{Ne}$, ^{23}Na , $^{24, 25, 26}\text{Mg}$, ^{27}Al , $^{28, 29, 30}\text{Si}$, ^{31}P , $^{32, 33, 34, 36}\text{S}$, $^{35, 37}\text{Cl}$, $^{36, 38, 40}\text{Ar}$, $^{39, 40, 41}\text{K}$, $^{40, 42, 43, 44, 46, 48}\text{Ca}$, ^{45}Sc , $^{46, 47, 48, 49, 50}\text{Ti}$, $^{50, 51}\text{V}$, $^{50, 52, 53, 54}\text{Cr}$, ^{55}Mn , $^{54, 56, 57, 58}\text{Fe}$, ^{59}Co , $^{58, 60, 61, 62, 64}\text{Ni}$, $^{63, 65}\text{Cu}$, $^{64, 66, 67}\text{Zn}(n, \gamma)$, (n,p), (n, α), (p, γ), (p,n), (p, α), (α, γ), (α, n), (α, p), $^{70}\text{Zn}(p, \gamma)$, (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 $^{22, 23}\text{Na}$, Mg, $^{24, 25, 26}\text{Mg}$, ^{27}Al , Si, $^{28, 29, 30}\text{Si}$, ^{31}P , S, $^{32, 33, 34}\text{S}$, Cl, $^{35, 36, 37}\text{Cl}$, Ar, $^{36, 38, 40}\text{Ar}$, K, $^{39, 40, 41}\text{K}$, Ca, $^{40, 42, 43, 44, 46, 48}\text{Ca}$, $^{45, 46}\text{Sc}$, Ti, $^{46, 47, 48, 49, 50}\text{Ti}$, V, $^{50, 51}\text{V}$, Cr, $^{50, 52, 53, 54}\text{Cr}$, Fe, $^{54, 56, 57, 58}\text{Fe}$, ^{59}Co , Ni, $^{58, 59, 60, 61, 62, 64}\text{Ni}$, Cu, $^{63, 65}\text{Cu}$, Zn, $^{64, 66, 67, 68, 70}\text{Zn}$, Ga, $^{69, 71}\text{Ga}(n, \gamma)$, (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 , $^{35, 37}\text{Cl}$, ^{39}K , ^{43}Ca (n, γ), (d,p); analyzed correlations between reaction types.

Keynumber: 1976SC16

Reference: Nucl.Phys. A264, 105 (1976)

Authors: O.Schwerer, M.Winkler-Rohatsch, H.Warhanek, G.Winkler

Title: Measurement of Cross Sections for 14 MeV Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{37}Cl , ^{41}K , ^{50}Ti , ^{51}V , ^{55}Mn , ^{71}Ga , ^{87}Rb , ^{89}Y , ^{127}I , ^{130}Te , ^{138}Ba , ^{139}La , ^{142}Ce , ^{186}W , ^{198}Pt , $^{197}\text{Au}(\text{n},\gamma)$, $E=14.6$ MeV; measured σ . Natural targets.

Keynumber: 1974VU01

Reference: Lett.Nuovo Cim. 10, 1 (1974)

Authors: J.Vuletin, P.Kulisic, N.Cindro

Title: Activation Cross-Sections of (n, γ) Reactions at 14 MeV

Keyword abstract: NUCLEAR REACTIONS ^{50}Ti , ^{27}Mg , ^{37}Cl , ^{55}Mn , ^{75}As , ^{127}I , ^{138}Ba , ^{141}Pr , ^{170}Er (n, γ), $E=14$ MeV; measured σ .

Keynumber: 1974SPZQ

Coden: REPT RCN-210

Keyword abstract: NUCLEAR REACTIONS 28 , ^{29}Si , $^{37}\text{Cl}(\text{n},\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, $\gamma(\theta)$, $CP(\gamma)$, $\sigma(E,E\gamma)$; deduced Q . 29 , ^{30}Si , ^{38}Cl deduced levels, γ -branching, J,π .

Keynumber: 1974SI25

Reference: Phys.Rev. C10, 2138 (1974)

Authors: U.N.Singh, H.I.Liou, G.Hacken, M.Slagowitz, F.Rahn, J.Rainwater, W.Makofske, J.B.Garg

Title: Neutron Resonance Spectroscopy: Chlorine

Keyword abstract: NUCLEAR REACTIONS 35 , $^{37}\text{Cl}(\text{n},\text{n})$, (n, γ), $E=20$ eV-400 keV; measured total $\sigma(E)$. 36 , ^{38}Cl deduced resonances, J,L,S , n -width.

Keynumber: 1973SP06

Reference: Nucl.Phys. A215, 260 (1973)

Authors: A.M.J.Spits, J.A.Akkermans

Title: Investigation of the Reaction $^{37}\text{Cl}(\text{n},\gamma)^{38}\text{Cl}$

Keyword abstract: NUCLEAR REACTIONS ^{37}Cl , ^{32}S , 50 , 52 , ^{53}Cr , $^{56}\text{Fe}(\text{n},\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$; deduced Q . ^{38}Cl deduced levels, γ -branching.

Keyword abstract: RADIOACTIVITY ^{38}Cl ; measured $E\gamma$, $I\gamma$. Deduced β -branching, ^{38}Ar deduced transitions. Natural, ^{37}Cl enriched target.

Keynumber: 1973SIYA

Coden: REPT COO-2176-20 P2

Keyword abstract: NUCLEAR REACTIONS 35 , $^{37}\text{Cl}(\text{n},\gamma)$; analyzed data. 36 , ^{38}Cl deduced resonances.

Keynumber: 1973SCYA

Coden: REPT INDC(SEC)-36/L P8

Keyword abstract: NUCLEAR REACTIONS ^{26}Mg , ^{37}Cl , ^{41}K , ^{55}Mn , ^{71}Ga , ^{81}Br , ^{87}Rb , ^{100}Mo , ^{115}In , ^{127}I , ^{133}Cs , ^{138}Ba , ^{139}La , ^{142}Ce , ^{181}Ta , $^{198}\text{Pt}(\text{n},\gamma)$; measured σ .

Keynumber: 1973DEYA

Coden: REPT EANDC(E)157-U,P117

Keyword abstract: NUCLEAR REACTIONS ^{37}Cl , 64 , 66 , $^{68}\text{Zn}(n,\gamma)$; measured $E\gamma$. ^{38}Cl , 65 , 67 , ^{69}Zn deduced transitions.

Keynumber: 1973DEWV

Coden: REPT INDC(SEC)-36/L P36

Keyword abstract: NUCLEAR REACTIONS ^{37}Cl , 64 , 66 , $^{68}\text{Zn}(n,\gamma)$; measured $\gamma(\theta)$.

Keynumber: 1972SPZS

Coden: CONF Budapest,Contributions,P236,A Spits,10/13/72

Keyword abstract: NUCLEAR REACTIONS Cl , $^{37}\text{Cl}(n,\gamma)$,E=thermal; measured $E\gamma,I\gamma$; deduced Q. ^{38}Cl deduced levels,L(n).

Keynumber: 1972SPZM

Coden: JOUR NTNAA 38 170,A Spits

Keyword abstract: NUCLEAR REACTIONS $^{37}\text{Cl}(n,\gamma)$,E=thermal; measured $E\gamma,I\gamma$; deduced Q. ^{38}Cl deduced levels.

Keynumber: 1972IS14

Reference: Can.J.Phys. 50, 3090 (1972)

Authors: A.F.M.Ishaq, T.J.Kennett

Title: A Study of Thermal Neutron Capture in Chlorine

Keyword abstract: NUCLEAR REACTIONS 35 , $^{37}\text{Cl}(n,\gamma)$,E=thermal; measured $E\gamma,I\gamma$; deduced Q. 36 , ^{38}Cl deduced levels, γ -branching. Ge(Li) pair spectrometer.

Keynumber: 1972HOYX

Coden: CONF Budapest,Contributions,P258,E Holub,10/13/72

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{27}Al , ^{37}Cl , $^{51}\text{V}(n,\gamma)$,E=14 MeV; measured σ .

Keynumber: 1972CAYH

Coden: JOUR FZKAA 4 Suppl,59

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{27}Al , ^{37}Cl , ^{55}Mn , ^{41}K , $^{127}\text{I}(n,\gamma)$,E=14 MeV; measured activation σ .

Keynumber: 1971RYZZ

Reference: Proc.Int.Conf.Chemical Nuclear Data, Measurements and Applications, Canterbury, England, M.L.Hurrell, Ed., Institution of Civil Engineers, London, p.139 (1971)

Authors: T.B.Ryves

Title: Thermal Neutron Capture Cross Section Measurements at the NPL

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{26}Mg , ^{27}Al , ^{30}Si , ^{37}Cl , ^{41}K , ^{50}Ti , ^{51}V , ^{58}Fe , ^{64}Ni , 63 , ^{65}Cu , 69 , ^{71}Ga , ^{75}As , 79 , ^{81}Br , ^{89}Y , 107 , ^{109}Ag , ^{115}In , 121 , ^{123}Sb , ^{127}I , ^{139}La , ^{151}Eu , 196 , ^{198}Pt (n, γ),E=thermal; measured σ .

Keynumber: 1971RYZX

Coden: CONF Canterbury(Chem Nucl Data),P139,12/10/72

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{26}Mg , ^{27}Al , ^{30}Si , ^{37}Cl , ^{41}K , ^{50}Ti , ^{51}V , ^{58}Fe , ^{64}Ni , 63 , ^{65}Cu , 69 , ^{71}Ga , ^{75}As , ^{79}Br , ^{81}Br , ^{89}Y , 107 , ^{109}Ag , ^{115}In , 121 , ^{123}Sb , ^{127}I , ^{139}La , ^{151}Eu , 196 , ^{198}Pt (n, γ),E=thermal; measured σ ; deduced resonance integrals.

Keynumber: 1970RY05

Reference: J.Nucl.Energy 24, 419 (1970)

Authors: T.B.Ryves, D.R.Perkins

Title: Thermal Neutron Capture Cross-Section Measurements for ^{23}Na , ^{27}Al , ^{37}Cl and ^{51}V

Keyword abstract: RADIOACTIVITY ^{28}Al , ^{52}V ; measured $T_{1/2}$.

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{27}Al , ^{37}Cl , $^{51}\text{V}(n,\gamma)$, $E=\text{thermal}$; measured σ .

Keynumber: 1968KA33

Reference: Osterr.Akad.Wiss., Math.-Naturw.Kl., Anz. No.10, 1 (1968)

Authors: B.Karlik

Title: Messungeiniger Einfangsquerschnitte fur schnelle Nautronen

Keyword abstract: NUCLEAR REACTIONS ^{26}Mg , ^{27}Al , ^{37}Cl , ^{51}V , ^{55}Mn , ^{65}Cu , ^{68}Zn , ^{75}As , ^{115}In , ^{127}I , $^{138}\text{Ba}(n,\gamma)$, $E=2.9\text{ MeV}$; measured σ .

Keynumber: 1968COZW

Coden: REPT UCRL-tr-10603,J Colditz,1/3/73

Keyword abstract: NUCLEAR REACTIONS ^{26}Mg , ^{27}Al , ^{37}Cl , ^{51}V , ^{55}Mn , ^{65}Cu , ^{66}Zn , ^{75}As , ^{115}In , ^{127}I , $^{138}\text{Ba}(n,\gamma)$, $E=2.9\text{ MeV}$; measured σ .