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24 reference(s) found :

Keynumber: 1990KUZC

Reference: Proc.8th Seminar on Precise Measurements in Nucl.Spectrosc., Uzhgorod, p.85 (1990)

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 , $^{57}\text{Fe}(n,\gamma)$,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

Title: New Data on Lifetimes of Highly-Excited States of ^{25}Mg and ^{32}P

Keyword abstract: NUCLEAR REACTIONS ^{24}Mg , $^{31}\text{P}(n,\gamma)$,E=thermal; measured DSA. ^{25}Mg , ^{32}P levels deduced $T_{1/2}$.

Keynumber: 1990KO43

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 54, 844 (1990); Bull.Acad.Sci.Ussr, Phys.Ser. 54, No.5, 27 (1990)

Authors: Yu.E.Koshutsky, V.T.Kupryashkin, N.V.Strilchuk, A.I.Feoktistov, I.P.Shapovalova

Title: New Lifetime Data on the Highly Excited States of ^{25}Mg and ^{32}P

Keyword abstract: NUCLEAR REACTIONS ^{24}Mg , $^{31}\text{P}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin,DSA. ^{25}Mg , ^{32}P levels deduced $T_{1/2}$.

Keynumber: 1989ZE02

Reference: Chin.J.Nucl.Phys. 11, No.2, 43 (1989)

Authors: X.Zeng, Z.Shi, M.Zhang, G.Li, D.Ding

Title: Study of the Thermal Neutron Radiative Capture $^{31}\text{P}(n,\gamma)$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$; deduced neutron separation energy, reaction mechanism. ^{32}P deduced levels.

Keynumber: 1989MI16

Reference: Nucl.Phys. A501, 437 (1989)

Authors: S.Michaelsen, Ch.Winter, K.P.Lieb, B.Krusche, S.Robinson, T.von Egidy

Title: High-Resolution Spectroscopy of ^{32}P (II). Level Density and Primary Transition Strengths Observed after Thermal Neutron Capture in ^{31}P

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$. ^{32}P deduced levels,neutron binding energy,level density, γ -transition strengths,branching ratios. Pair spectrometer,intrinsic Ge detector.

Keynumber: 1987SA54

Reference: Ann.Phys.(Leipzig) 44, 630 (1987)

Authors: M.Salama

Title: Thermal Total Neutron Cross Section of Phosphorus

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(n,\gamma),E=\text{thermal}$; measured $\sigma(E)$.

Keynumber: [1986KR16](#)

Reference: Phys.Rev. C34, 2103 (1986)

Authors: B.Krusche, K.P.Lieb

Title: Dipole Transition Strengths and Level Densities $A \leq 80$ Odd-Odd Nuclei Obtained from Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{19}F , ^{23}Na , ^{27}Al , ^{31}P , ^{35}Cl , 39 , ^{41}K , ^{45}Sc , ^{55}Mn , ^{59}Co , 63 , ^{65}Cu , ^{71}Ga , ^{75}As , $^{79}\text{Br}(n,\gamma),E=\text{thermal}$; analyzed data. ^{20}F , ^{24}Na , ^{28}Al , ^{32}P , ^{36}Cl , 40 , ^{42}K , ^{46}Sc , ^{56}Mn , ^{60}Co , 64 , ^{66}Cu , ^{72}Ga , ^{76}As , ^{80}Br deduced primary E1,M1 transition strengths,level density parameters. Bethe,constant temperature Fermi gas models.

Keynumber: [1985MA33](#)

Reference: Phys.Rev. C32, 379 (1985)

Authors: R.L.Macklin, S.F.Mughabghab

Title: Neutron Capture by ^{31}P

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(n,\gamma),E=2.6\text{-}500\text{ keV}$; measured $\sigma(E)$; deduced stellar reaction σ . ^{32}P levels deduced $(g\Gamma n\Gamma\gamma)/\Gamma,\Gamma$. Direct reaction mechanism.

Keynumber: [1985KE11](#)

Reference: Phys.Rev. C32, 2148 (1985)

Authors: T.J.Kennett, W.V.Prestwich, J.S.Tsai

Title: Level Structure and E2 Strength from the $^{31}\text{P}(n,\gamma)^{32}\text{P}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(n,\gamma),E=\text{thermal}$; measured $I\gamma,E\gamma$. ^{32}P deduced levels,neutron separation energy, $B(E2)$.

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 , $^{67}\text{Zn}(n,\gamma)$, (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) , $(\alpha,p),E=\text{low}$; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

Keynumber: 1981DE04

Reference: Nucl.Phys. A352, 125 (1981)

Authors: J.De Boer, K.Abrahams, J.Kopecky, P.M.Endt

Title: Investigation of the $^{31}\text{P}(n(\text{pol}),\gamma)^{32}\text{P}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(\text{polarized } n,\gamma),E=\text{thermal}$; measured CP for γ -rays. ^{32}P levels deduced J,channel spin mixing, δ .

Keynumber: 1980PIZN

Coden: CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko

Keyword abstract: NUCLEAR REACTIONS 22 , $^{23}\text{Na},\text{Mg}$, 24 , 25 , ^{26}Mg , $^{27}\text{Al},\text{Si}$, 28 , 29 , ^{30}Si , $^{31}\text{P},\text{S}$,

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: 1979BUZS

Coden: REPT INDC(YUG)-6/L, Budnar

Keyword abstract: NUCLEAR REACTIONS Mg, ²⁷Al, Si, ³¹P, S, Ca, ⁴⁵Sc, ⁵¹V, Cr, ⁵⁵Mn, Fe, ⁵⁹Co, Cu, Se, Br, Sr, ⁸⁹Y, In, Sb, ¹²⁷I, Ba, ¹⁴¹Pr, ¹⁶⁵Ho, ¹⁸¹Ta, W, Tl, Pb, ²⁰⁹Bi(n,γ), E=14.6 MeV; measured σ(Eγ).

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 ¹⁹F, ²³Na, ²⁵Mg, ²⁷Al, ²⁹Si, ³¹P, ³⁵, ³⁷Cl, ³⁹K, ⁴³Ca (n,γ), (d,p); analyzed correlations between reaction types.

Keynumber: 1974ISZX

Coden: THESIS DABBB 34B 5613

Keyword abstract: NUCLEAR REACTIONS ¹⁹F, ²³Na, ²⁷Al, ³¹P, ³⁵Cl, ³⁹K(n,γ), E=thermal; measured Eγ, Iγ. ²⁰F, ²⁴Na, ²⁸Al, ³²P, ³⁶Cl, ⁴⁰K deduced levels, Q, γ-multiplicity, level-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 ²H, ³¹P, ³⁴S, ⁴⁴Ca, ⁶²Ni(n,γ); measured σ(E).

Keynumber: 1970CV01

Reference: Nucl.Phys. A158, 251 (1970)

Authors: F.Cvelbar, A.Hudoklin, M.Potokar

Title: Comparison between the Activation Cross Sections and Integrated Cross Sections for the Radiative Capture of 14 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS Mg, ²⁷Al, Si, ³¹P, ³²S, ⁴⁰Ca, ⁵¹V, ⁵²Cr, ⁵⁵Mn, Fe, Cu, Br, Se, ¹¹⁵In, ¹²⁷I, Ba(n,γ), E=14 MeV; measured σ(Eγ); deduced integrated σ.

Keynumber: 1970BO01

Reference: Can.J.Phys. 48, 868 (1970)

Authors: J.F.Boulter, W.V.Prestwich

Title: Lifetime of the 77 keV Level in ³²P

Keyword abstract: NUCLEAR REACTIONS ³¹P(n,γ), E=thermal; measured γγ-delay. ³²P level deduced T_{1/2}.

Keynumber: 1969KE15

Reference: Yadern.Fiz. 10, 907 (1969); Soviet J.Nucl.Phys. 10, 524 (1970)

Authors: J.Kecskemeti, D.Kiss

Title: Measurement of Average Multiplicity in (n,γ) Reactions Induced by Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{27}Al , ^{31}P , ^{32}S , ^{35}Cl , ^{48}Ti , ^{51}V , ^{53}Cr , ^{52}Cr , ^{55}Mn , ^{56}Fe , ^{59}Co , ^{60}Ni , Ni, Cu, ^{63}Cu , Ge, ^{73}Ge , ^{75}As , Se, Br, Sr, Zr, ^{93}Nb , Mo, ^{103}Rh , Ag(n, γ) E=thermal; measured average γ multiplicity.

Keynumber: 1967VA08

Reference: Nucl.Phys. A97, 209(1967)

Authors: G.van Middelkoop

Title: Gamma Rays from the $^{31}\text{P}(n,\gamma)^{32}\text{P}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(n,\gamma)$, E = thermal; measured E γ , I γ ; deduced Q. ^{32}P deduced levels, branching. Natural target.

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 ^6Li , ^7Li , ^9Be , ^{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 , $^{207}\text{Pb}(n,\gamma)$, E = thermal; measured E γ ; deduced Q. Natural targets.

Keynumber: 1967LY06

Reference: Can.J.Phys. 45, 3039(1967)

Authors: H.Lycklama, T.J.Kennett

Title: Study of the $^{31}\text{P}(n,\gamma)^{32}\text{P}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{31}\text{P}(n,\gamma)$, E=thermal; measured E γ , I γ ; ^{32}P deduced levels, branching ratios.

Keynumber: 1967CS01

Reference: Nucl.Phys. A95, 229(1967)

Authors: J.Csikai, G.Peto, M.Buczko, Z.Miligy, N.A.Eissa

Title: Radiative Capture Cross Sections for 14.7 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , ^{30}Si , ^{31}P , ^{45}Sc , ^{48}Ca , ^{50}Ti , ^{51}V , ^{89}Y , ^{123}Sb , ^{139}La , $^{209}\text{Bi}(n,\gamma)$, E = 14.7 MeV; measured σ . ^{23}Na , ^{55}Mn , ^{103}Rh , ^{141}Pr , ^{165}Ho , $^{208}\text{Pb}(n,\gamma)$, E = 13.4-15.0 MeV; measured $\sigma(E)$. $^{103}\text{Rh}(n,\gamma)$, E = 13.4-15.0 MeV; measured $\sigma(g)/\sigma(M)$; deduced spin cutoff parameter. Enriched ^{30}Si , ^{48}Ca targets.

Keynumber: 1965VA07

Reference: Nucl.Phys. 72, 1(1965)

Authors: G.Van Middelkoop, P.Spilling

Title: Investigation of the Reactions $^{31}\text{P}(n,\gamma)^{32}\text{P}$ and $^{32}\text{S}(n,\gamma)^{33}\text{S}$

Keyword abstract: NUCLEAR REACTIONS ^{31}P , $^{32}\text{S}(n,\gamma)$, E = thermal; measured γ , $\gamma\gamma$ -coin, $\gamma(\theta)$. ^{32}P , ^{33}S deduced levels, J, branching. Natural targets.