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**33 reference(s) found :**

**Keynumber:** 1999HO26

**Reference:** Astrophys.J. 521, 735 (1999)

**Authors:** R.D.Hoffman, S.E.Woosley, T.A.Weaver, T.Rauscher, F.-K.Thielemann

**Title:** The Reaction Rate Sensitivity of Nucleosynthesis in Type II Supernovae

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S}$ ,  $^{39}\text{K}$ ,  $^{45}$ ,  $^{46}\text{Ca}$ ,  $^{50}\text{V}$ ,  $^{69}$ ,  $^{70}\text{Zn(n,\gamma)}$ ,  $^{33}\text{S}$ ,  $^{43}\text{Ca}$ ,  $^{44}\text{Sc}$  ( $p,\gamma$ ),  $^{33}\text{S}$ ,  $^{40}\text{K}$ ,  $^{45}\text{Ti(n,\alpha)}$ ,  $^{40}\text{K}$ ,  $^{45}\text{Ti(n,p)}$ ,  $^{44}\text{Ti(\alpha,p)}$ ,  $^{24}\text{Mg}$ ,  $^{28}\text{Si}$ ,  $^{32}\text{S}$ ,  $^{36}\text{Ar}$ ,  $^{40}\text{Ca}$ ,  $^{44}\text{Ti(\alpha,\gamma)}$ , E not given; analyzed stellar reactions rates. Several libraries compared.

**Keynumber:** 1998LI21

**Reference:** Nucl.Phys. A635, 43 (1998)

**Authors:** A.Likar, T.Vidmar

**Title:** Integrated Cross Sections in Fast Neutron Capture in Light Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{28}\text{Si}$ ,  $^{32}\text{S}$ ,  $^{40}\text{Ca(n,\gamma)}$ , E=fast; calculated  $\sigma, \sigma(\theta)$ . Direct-semidirect capture model. Comparison with data.

**Keynumber:** 1992KI03

**Reference:** Nucl.Phys. A536, 109 (1992)

**Authors:** H.Kitazawa, M.Igashira, Y.Achiha, N.Mukai, F.Uesawa, T.Andoh, S.Shibata

**Title:** Core Polarization in the 203 keV  $p_{1/2}$ -Wave Neutron Resonance Capture by  $^{32}\text{S}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S(n,\gamma)}$ , E=203 keV; measured  $E\gamma, I\gamma, \sigma(E, E\gamma)$  at  $\theta=125^\circ$ .  $^{33}\text{S}$  deduced resonance,  $\Gamma\gamma$ . Natural target. Particle-vibrator coupling model.

**Keynumber:** 1989KO53

**Reference:** Izv.Akad.Nauk SSSR, Ser.Fiz. 53, 2125 (1989); Bull.Acad.Sci.USSR, Phys.Ser. 53, No.11, 63 (1989)

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

**Title:** Lifetimes of Highly Excited States of the Nuclei in  $(n\gamma)$  Reactions with Thermal Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{28}\text{Si}$ ,  $^{32}\text{S(n,\gamma)}$ , E=thermal; measured  $\gamma\gamma$ -coin.  $^{29}\text{Si}$ ,  $^{33}\text{S}$  levels deduced  $T_{1/2}$ .

**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  $^9\text{Be}$ ,  $^{12}$ ,  $^{13}\text{C}$ ,  $^{24}$ ,  $^{25}$ ,  $^{26}\text{Mg}$ ,  $^{32}$ ,  $^{34}$ ,  $^{33}\text{S}$ ,  $^{40}$ ,  $^{44}\text{Ca}$  ( $n,\gamma$ ), E=slow; calculated capture  $\sigma$ .

**Keynumber:** 1988KI02

**Reference:** J.Phys.(London) G14, Supplement S215 (1988)

**Authors:** H.Kitazawa, M.Igashira

**Title:** Mechanism of s-Wave and p-Wave Neutron Resonance Capture in Light and Medium-Weight Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}$ ,  $^{28}\text{Si}$ ,  $^{32}\text{S(n,\gamma)}$ , E ≈ resonance; measured  $E\gamma, I\gamma$ .  $^{17}\text{O}$ ,  $^{29}\text{Si}$ ,  $^{33}\text{S}$  deduced resonance  $\Gamma\gamma$ . Valence capture model.

**Keynumber:** [1985RA15](#)**Reference:** Phys.Rev. C32, 18 (1985)**Authors:** S.Raman, R.F.Carlton, J.C.Wells, E.T.Jurney, J.E.Lynn**Title:** Thermal Neutron Capture Gamma Rays from Sulfur Isotopes: Experiment and theory**Keyword abstract:** NUCLEAR REACTIONS  $^{34, 33, 32, 36}$ S(n, $\gamma$ ), E=thermal; measured E $\gamma$ , I $\gamma$ ; deduced model dependent effects.  $^{33, 34, 35, 37}$ S deduced levels,  $\gamma$ -branching, J,  $\pi$ , E1 transition. Potential capture theory.**Keynumber:** 1985GU20**Reference:** Chin.J.Nucl.Phys. 7, 50 (1985)**Authors:** Guo Taichang, Shi Zongren, Zeng Xiantang, Li Guohua, Ding Dazhao**Title:** The Study of Thermal Neutron Capture of  $^{32}$ S**Keyword abstract:** NUCLEAR REACTIONS  $^{32}$ S(n, $\gamma$ ), E=thermal; measured E $\gamma$ , I $\gamma$ ; deduced capture  $\sigma$ (E).  $^{33}$ S deduced neutron separation energy, levels, E1 transitions,  $\gamma$ -branching ratios.**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,  $^{51}$ 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, $\gamma$ ), (n,p), (n, $\alpha$ ), (p, $\gamma$ ), (p,n), (p, $\alpha$ ), ( $\alpha$ , $\gamma$ ), ( $\alpha$ ,n), ( $\alpha$ ,p),  $^{70}$ Zn(p, $\gamma$ ), (p,n), (p, $\alpha$ ), ( $\alpha$ , $\gamma$ ), ( $\alpha$ ,n), ( $\alpha$ ,p), E=low; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction  $\sigma$  vs temperature. Statistical model.**Keynumber:** 1983RA04**Reference:** Phys.Rev. C27, 1188 (1983)**Authors:** S.Raman, E.T.Jurney, D.A.Outlaw, I.S.Towner**Title:**  $^{34}$ Cl Superallowed  $\beta$  Decay**Keyword abstract:** RADIOACTIVITY  $^{34}$ Cl( $\beta^+$ ) [from  $^{33}$ S(p, $\gamma$ )];  $^{35}$ S( $\beta^-$ ); analyzed data.  $^{34}$ Cl deduced Q( $\beta^+$ +EC), T<sub>1/2</sub>, ft.  $^{35}$ S deduced Q( $\beta^-$ ).**Keyword abstract:** NUCLEAR REACTIONS  $^{32, 33, 34}$ S(n, $\gamma$ ), E=thermal; measured E $\gamma$ .  $^{33, 34, 35}$ S deduced neutron separation energy.  $^{33, 34}$ S(p, $\gamma$ ), E=0.9-1.4 MeV; measured E $\gamma$ .  $^{34}$ Cl,  $^{35}$ Cl deduced resonances, proton separation energy.**Keynumber:** 1981BEZU**Reference:** Tandem Accelerator Lab, Uppsala, Ann.Rept., p.36 (1981)**Authors:** I.Bergqvist, N.Olsson, R.Zorro, A.Lindholm, L.Nilsson, M.Saleem**Title:** Neutron Capture in Spherical Nuclei**Keyword abstract:** NUCLEAR REACTIONS  $^{28}$ Si,  $^{32}$ S(n, $\gamma$ ), E=3-14 MeV; measured  $\sigma$ (E).**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,  $^{46, 47, 48}$ ,

$^{49,50}\text{Ti}$ ,  $^{50}\text{V}$ ,  $^{51}\text{V}$ ,  $^{Cr,52,53,54}\text{Cr}$ ,  $^{Fe,54,56,57,58}\text{Fe}$ ,  $^{Co,Ni,58,59,60,61,62,64}\text{Ni,Cu,63}$ ,  $^{65}\text{Cu,Zn,64,66,67,68,70}\text{Zn,Ga,69,71}\text{Ga(n,}\gamma\text{), (n,n), (n,}\alpha\text{), E=thermal; evaluated }\sigma\text{, radiative capture resonance integrals.}$

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**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  $^1\text{H}$ ,  $^9\text{Be}$ ,  $^{14}\text{N}$ ,  $^{24,25}\text{Mg}$ ,  $^{27}\text{Al}$ ,  $^{28,29}\text{Si}$ ,  $^{32}\text{S}$ ,  $^{35}\text{Cl}$ ,  $^{40}\text{Ca}$ ,  $^{47,48,49}\text{Ti}$ ,  $^{50,52,53}\text{Cr}$ ,  $^{55}\text{Mn}$ ,  $^{54,56,57}\text{Fe(n,}\gamma\text{), E=thermal; measured E}\gamma\text{, I}\gamma$ .  $^2\text{H}$ ,  $^{10}\text{Be}$ ,  $^{25,26}\text{Mg}$ ,  $^{28}\text{Al}$ ,  $^{29,30}\text{Si}$ ,  $^{33}\text{S}$ ,  $^{36}\text{Cl}$ ,  $^{41,45}\text{Ca}$ ,  $^{48,49,50}\text{Ti}$ ,  $^{51,53,54}\text{Cr}$ ,  $^{56}\text{Mn}$ ,  $^{55,57,58}\text{Fe}$  deduced Q,neutron binding energy.

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**Keynumber:** 1980HA01

**Reference:** J.Phys.(London) G6, 59 (1980)

**Authors:** D.Halderson, B.Castel, G.Aizer

**Title:** Non-Statistical Effects in Neutron Reactions on  $^{32}\text{S}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S(n,}\gamma\text{), E} \approx 0\text{-}1.2\text{ MeV; calculated cumulative } \Gamma_n$  ( $E$ ),  $\Gamma_\gamma$ , reduced n-width. Shell model in continuum.

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**Keynumber:** 1979CAZQ

**Coden:** JOUR BAPSA 24 818,AC9,Carlton

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S(n,}\gamma\text{), E=thermal; measured E}\gamma\text{, I}\gamma$ .  $^{33}\text{S}$  deduced levels, $S(n)$ .

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**Keynumber:** 1978MI14

**Reference:** Ann.Phys.(New York) 114, 452 (1978)

**Authors:** M.Micklinghoff, B.Castel

**Title:** Doorway Structures in the Radiative Capture of Neutrons by  $^{28}\text{Si}$  and  $^{32}\text{S}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{28}\text{Si}$ ,  $^{32}\text{S(n,}\gamma\text{); calculated } \sigma$ . K-matrix formalism,microscopic treatment including single-particle resonances.

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**Keynumber:** 1978BEYD

**Coden:** REPT Uppsala,Tandem Accelerator Lab,1978 Ann,p55,7-4-2,Bergqvist

**Keyword abstract:** NUCLEAR REACTIONS  $^{28}\text{Si}$ ,  $^{32}\text{S}$ ,  $^{40}\text{Ca}$ ,  $^{89}\text{Y}$ ,  $^{140}\text{Ce}$ ,  $^{208}\text{Pb(n,}\gamma\text{), E=5-15 MeV; measured } \sigma$ . direct-semidirect,compound nuclear models.

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**Keynumber:** 1974HAXW

**Coden:** REPT ORNL-4937 P185

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S(n,}\gamma\text{), E=30-1100 keV; measured } \sigma(E,E\gamma)$ .  $^{33}\text{S}$  deduced resonances,n-width, $\gamma$ -width.

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**Keynumber:** 1974HAXD

**Coden:** REPT ORNL-4976 P4

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S(n,}\gamma\text{), E=25-1150 keV; measured } \sigma(E,E\gamma)$ .  $^{33}\text{S}$  deduced resonances,J,level-width.

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**Keynumber:** 1974DA07

**Reference:** Yad.Fiz. 19, 3 (1974); Sov.J.Nucl.Phys. 19, 1 (1974)

**Authors:** M.M.Danilov, O.N.Ermakov, V.V.Vasilev, I.L.Karpikhin, V.K.Rissukhin

**Title:** Spins of Composite States in  $^{130}\text{Xe}$  and  $^{124}\text{Te}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S}$ ,  $^{115}\text{In}$ ,  $^{113}\text{Cd}$ (polarized n, $\gamma$ ),E=2-10 MeV;  $^{123}\text{Te}$ ,  $^{129}\text{Xe}$ (polarized n, $\gamma$ ),E=thermal; measured CP( $\gamma$ ).  $^{116}\text{In}$ ,  $^{114}\text{Cd}$  levels deduced J.  $^{124}\text{Te}$ ,  $^{130}\text{Xe}$  levels deduced J, $\pi$ .

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

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

**Keynumber:** 1970JAZN

**Coden:** REPT PH-7,J Jafar

**Keyword abstract:** NUCLEAR REACTIONS  $^{20}\text{Ne}$ ,  $^{24}\text{Mg}$ ,  $^{30}\text{Si}$ ,  $^{32}\text{S}$ ,  $^{34}\text{S}$ ,  $^{36}\text{Ar}$ ,  $^{40}\text{Ca}$ ,  $^{27}\text{Al}$  (n, $\gamma$ ),E=thermal; surveyed,analyzed E $\gamma$ ,I $\gamma$  data.  $^{21}\text{Ne}$ ,  $^{25}\text{Mg}$ ,  $^{31}\text{Si}$ ,  $^{33}$ ,  $^{35}\text{S}$ ,  $^{37}\text{Ar}$ ,  $^{41}\text{Ca}$ ,  $^{28}\text{Al}$  deduced levels, $\gamma$ -branching.

**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,  $^{27}\text{Al}$ ,Si,  $^{31}\text{P}$ ,  $^{32}\text{S}$ ,  $^{40}\text{Ca}$ ,  $^{51}\text{V}$ ,  $^{52}\text{Cr}$ ,  $^{55}\text{Mn}$ ,Fe,Cu, Br,Se,  $^{115}\text{In}$ ,  $^{127}\text{I}$ ,Ba(n, $\gamma$ ),E=14 MeV; measured  $\sigma(E\gamma)$ ; deduced integrated  $\sigma$ .

**Keynumber:** 1969KO05

**Reference:** Nucl.Phys. A127, 385 (1969)

**Authors:** J.Kopecky, E.Warming

**Title:** Circular Polarization Measurements with a Ge(Li) Detector

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S}$ ,  $^{35}\text{Cl}$ ,  $^{48}\text{Ti}$ ,  $^{55}\text{Mn}$ ,  $^{56}\text{Fe}$ ,  $^{59}\text{Co}$ ,  $^{63}\text{Cu}$ (polarized n, $\gamma$ ), E = thermal; measured  $\gamma$  circular polarization.  $^{33}\text{S}$ ,  $^{36}\text{Cl}$ ,  $^{49}\text{Ti}$ ,  $^{56}\text{Mn}$ ,  $^{57}\text{Fe}$ ,  $^{60}\text{Co}$ ,  $^{64}\text{Cu}$  levels deduced J,  $\gamma$ -mixing. Natural targets.

**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, $\gamma$ ) Reactions Induced by Thermal Neutrons

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

**Keynumber:** 1969EG01

**Reference:** Izv.Akad.Nauk SSSR, Ser.Fiz. 33, 1259 (1969); Bull.Acad.Sci.USSR, Phys.Ser. 33, 1166 (1970)

**Authors:** S.Egri, B.Kardon, L.Pocs, Z.Seres, Z.Zamori

**Title:** Spectrum of the  $\gamma$  Rays Accompanying Thermal Neutron Capture in Sulfur Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S}(\text{n},\gamma)$ , E=thermal; measured  $E\gamma$ ,  $I\gamma$ .  $^{33}\text{S}$  deduced levels. Natural target, Ge(Li) detector.

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**Keynumber:** 1969CV02

**Reference:** Nucl.Phys. A130, 413 (1969)

**Authors:** F.Cvelbar, A.Hudoklin, M.V.Mihailovic, M.Najzer, M.Petrisic

**Title:** Radiative Capture of Neutrons in the Region of the Dipole Giant Resonance (II). Calculation

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S}$ ,  $^{52}\text{Cr}$ ,  $^{56}\text{Fe}(\text{n},\gamma)$ , E=14.1 MeV; calculated  $\sigma(E\gamma)$ .

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**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 ( $\text{n},\gamma$ ) Reaction Q Values from Capture  $\gamma$ -Ray Spectra

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}$ ,  $^7\text{Li}$ ,  $^9\text{Be}$ ,  $^{10}\text{B}$ ,  $^{12}\text{C}$ ,  $^{14}\text{N}$ ,  $^{19}\text{F}$ ,  $^{23}\text{Na}$ ,  $^{24}\text{Mg}$ ,  $^{25}\text{Mg}$ ,  $^{26}\text{Mg}$ ,  $^{27}\text{Al}$ ,  $^{28}\text{Si}$ ,  $^{31}\text{P}$ ,  $^{32}\text{S}$ ,  $^{35}\text{Cl}$ ,  $^{40}\text{Ca}$ ,  $^{45}\text{Sc}$ ,  $^{48}\text{Ti}$ ,  $^{51}\text{V}$ ,  $^{55}\text{Mn}$ ,  $^{54}\text{Fe}$ ,  $^{56}\text{Fe}$ ,  $^{59}\text{Co}$ ,  $^{58}\text{Ni}$ ,  $^{60}\text{Ni}$ ,  $^{63}\text{Cu}$ ,  $^{65}\text{Cu}$ ,  $^{66}\text{Zn}$ ,  $^{67}\text{Zn}$ ,  $^{73}\text{Ge}$ ,  $^{76}\text{Se}$ ,  $^{85}\text{Rb}$ ,  $^{87}\text{Rb}$ ,  $^{89}\text{Y}$ ,  $^{93}\text{Nb}$ ,  $^{103}\text{Rh}$ ,  $^{113}\text{Cd}$ ,  $^{123}\text{Te}$ ,  $^{133}\text{Cs}$ ,  $^{139}\text{La}$ ,  $^{141}\text{Pr}$ ,  $^{149}\text{Sm}$ ,  $^{153}\text{Eu}$ ,  $^{157}\text{Gd}$ ,  $^{159}\text{Tb}$ ,  $^{165}\text{Ho}$ ,  $^{167}\text{Er}$ ,  $^{169}\text{Tm}$ ,  $^{181}\text{Ta}$ ,  $^{182}\text{W}$ ,  $^{195}\text{Pt}$ ,  $^{197}\text{Au}$ ,  $^{199}\text{Hg}$ ,  $^{203}\text{Tl}$ ,  $^{207}\text{Pb}(\text{n},\gamma)$ , E = thermal; measured  $E\gamma$ ; deduced Q. Natural targets.

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**Keynumber:** 1967KE07

**Reference:** Nucl.Phys. A96, 658(1967)

**Authors:** T.J.Kennett, N.P.Archer, L.B.Hughes

**Title:** Study of Thermal Neutron Capture in Sulphur

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}$ ,  $^{34}\text{S}(\text{n},\gamma)$ , E = thermal; measured  $E\gamma$ ,  $I\gamma$ ,  $\gamma\gamma$ - coin.  $^{33}\text{S}$ ,  $^{35}\text{S}$  deduced levels, branching, Q. Natural target, Ge(Li) detector.

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**Keynumber:** 1967KA03

**Reference:** Nucl.Phys. A91, 44(1967)

**Authors:** B.Kardon, D.Kiss, Z.Seres, Z.Zamori

**Title:** Gamma-Gamma Angular Correlations in the  $^{32}\text{S}(\text{n},\gamma)^{33}\text{S}$  Reaction

**Keyword abstract:** NUCLEAR REACTIONS  $^{32}\text{S}(\text{n},\gamma)$ , E = thermal; measured  $\gamma\gamma(\theta)$ .  $^{33}\text{S}$  levels deduced J. Natural target.

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**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  $^{19}\text{F}$ ,  $^{23}\text{Na}$ ,  $^{24}\text{Mg}$ ,  $^{27}\text{Al}$ ,  $^{32}\text{S}$ ,  $^{35}\text{Cl}(\text{n},\gamma)$ , E=20-120 keV; measured  $E\gamma$ ,  $I\gamma$ .  $^{20}\text{F}$ ,  $^{24}\text{Na}$ ,  $^{25}\text{Mg}$ ,  $^{28}\text{Al}$ ,  $^{33}\text{S}$ ,  $^{36}\text{Cl}$  deduced resonances, level-width, J,  $\pi$ .

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**Keynumber:** 1966VA10

**Reference:** Nucl.Phys. 80, 321(1966)

**Authors:** G.Van Middelkoop, H.Gruppelaar

**Title:** Investigation of the  $^{32}\text{S}(\text{n},\gamma)^{33}\text{S}$  Reaction

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

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**Keynumber:** 1965VA07

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

**Authors:** G.Van Middelkoop, P.Spilling

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

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

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