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### 13 reference(s) found :

**Keynumber:** 1999ZHXM

**Reference:** INDC(CPR)-049/L, p.76 (1999)

**Authors:** C.Zhou

**Title:** Prompt  $\gamma$ -Ray Data Evaluation of Thermal-Neutron Capture for  $A = 1 \text{ \textasciitilde } 25$

**Keyword abstract:** NUCLEAR REACTIONS  $^1\text{H}$ ,  $^2\text{H}$ ,  $^6\text{Li}$ ,  $^7\text{Li}$ ,  $^9\text{Be}$ ,  $^{12}\text{C}$ ,  $^{13}\text{C}$ ,  $^{14}\text{N}$ ,  $^{16}\text{O}$ ,  $^{17}\text{O}$ ,  $^{19}\text{F}$ ,  $^{20}\text{Ne}$ ,  $^{21}\text{Ne}$ ,  $^{22}\text{Ne}$ ,  $^{23}\text{Na}$ ,  $^{24}\text{Mg}$ ,  $^{25}\text{Mg}$ (n, $\gamma$ ),E=thermal; compiled, evaluated prompt  $\gamma$ -ray data.

**Keynumber:** [1997NO04](#)

**Reference:** Phys.Rev. C56, 1144 (1997)

**Authors:** K.M.Nollett, M.Lemoine, D.N.Schramm

**Title:** Nuclear Reaction Rates and Primordial  $^6\text{Li}$

**Keyword abstract:** NUCLEAR REACTIONS  $^2\text{H}$ ,  $^6\text{Li}$ ( $\alpha$ , $\gamma$ ),  $^9\text{Be}$ ,  $^6\text{Li}$ (p, $\alpha$ ), (p, $\gamma$ ),  $^6\text{Li}$ (n, $\alpha$ ), (n, $\gamma$ ),  $^3\text{He}$ (t, $\gamma$ ),  $^6\text{Li}$ (d,p), (d,n),E  $\leq 2$  MeV; analyzed reaction rates; deduced primordial  $^6\text{Li}$  component production related features.

**Keynumber:** 1985KO47

**Reference:** Nucl.Instrum.Methods Phys.Res., B12, 325 (1985)

**Authors:** P.J.J.Kok, K.Abrahams, H.Postma, W.J.Huiskamp

**Title:** Investigation of Excited States of  $^7\text{Li}$  by Means of Thermal Neutron Capture

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}$ (n, $\gamma$ ),E=thermal; measured  $E\gamma$ , $I\gamma$  following capture; deduced Q.  $^7\text{Li}$  deduced transitions,level  $T_{1/2}$ .

**Keynumber:** 1978GL01

**Reference:** Phys.Rev.Lett. 40, 748 (1978)

**Authors:** H.Glattli, A.Abragam, G.L.Bacchella, M.Fourmond, P.Meriel, J.Piesvaux, M.Pinot

**Title:** Direct Measurement of the Spin-Dependent Capture and Scattering of Slow Neutrons by  $^6\text{Li}$

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}$ (polarized n,n), (polarized n, $\gamma$ ),E=slow; measured spin-dependent  $\sigma$ .

**Keynumber:** 1974BAXA

**Coden:** REPT CONF-740218,Paper 36

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}$ (n, $\gamma$ ), (p, $\gamma$ ),E=low; calculated  $\sigma$ .

**Keynumber:** 1973JUZU

**Coden:** REPT EANDC(US)-186'U' P109

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}$ ,  $^7\text{Li}$ (n, $\gamma$ ); measured  $\sigma(E\gamma)$ .  $^7\text{Li}$ ,  $^8\text{Li}$  deduced transitions.

**Keynumber:** 1973JUZT

**Coden:** REPT LA-UR-73-1700 P8

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}$ ,  $^7\text{Li}$ (n, $\gamma$ ),E=thermal; measured  $\sigma(E\gamma)$ .  $^7\text{Li}$  deduced  $\gamma$ -branching.

**Keynumber:** 1972OP01

**Reference:** Nucl.Phys. A180, 569 (1972)

**Authors:** A.M.F.Op den Kamp, A.M.J.Spits

**Title:** Gamma Rays from Thermal-Neutron Capture in Natural and  $^{39}\text{K}$  Enriched Potassium

**Keyword abstract:** NUCLEAR REACTIONS  $^{39}, ^{41}\text{K}, ^1\text{H}, ^6\text{Li}, ^{12}\text{C}, ^{19}\text{F}, ^{40}\text{Ar}, ^{56}\text{Fe}, ^{207}\text{Pb}(\text{n},\gamma), \text{E}=\text{thermal}; ^{19}\text{F}, ^{28}\text{Si}(\text{n},\text{n}'\gamma), \text{E}=\text{fast}; \text{measured } \text{E}\gamma, \text{I}\gamma. ^{39}\text{K}(\text{n},\gamma), \text{E}=\text{thermal}; \text{measured } \text{E}\gamma, \text{I}\gamma, \gamma\gamma\text{-coin}; \text{deduced } \text{Q}, ^{40}, ^{42}\text{K} \text{ deduced levels}, \gamma\text{-branching. Ge(Li), NaI detectors.}$

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**Keynumber:** 1970UTZY

**Reference:** Proc.Symposium Neutron Standards and Flux Normalization, Argonne, Illinois, October 21-23, 1970, p.80 (1970); CONF-701002 (1970)

**Authors:** C.A.Uttley, M.G.Sowerby, B.H.Patrick, E.R.Rae

**Title:** A Review of the Data on the  $^6\text{Li}$  Cross Sections below 1.7 MeV

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}(\text{n},\text{X}), (\text{n},\gamma), (\text{n},\text{n}), (\text{n},\alpha), \text{E} < 1.7 \text{ MeV}; \text{reviewed } \sigma \text{ data.}$

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**Keynumber:** 1970SP02

**Reference:** Nucl.Phys. A145, 449 (1970)

**Authors:** A.M.J.Spits, A.M.F. Op den Kamp, H.Gruppelaar

**Title:** Gamma Rays from Thermal-Neutron Capture in Natural and  $^{28}\text{Si}$  Enriched Silicon

**Keyword abstract:** NUCLEAR REACTIONS  $^{28}, ^{29}, ^{30}\text{Si}, ^6\text{Li}, ^{14}\text{N}, ^{19}\text{F}, ^{27}\text{Al}, ^{54}, ^{56}\text{Fe}, ^{207}\text{Pb}(\text{n},\gamma), \text{E}=\text{thermal}; ^{28}\text{Si}(\text{n},\text{n}'\gamma), \text{E}=\text{fast}; \text{measured } \text{E}\gamma, \text{I}\gamma; \text{deduced } \text{Q}, ^{29}, ^{30}, ^{31}\text{Si} \text{ deduced levels}, \gamma\text{-branching. Natural, } ^{28}\text{Si} \text{ enriched targets, Ge(Li) detector.}$

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**Keynumber:** 1970MEZS

**Reference:** Proc.Symposium Neutron Standards and Flux Normalization, Argonne, Illinois, October 21-23, 1970, p.129 (1970); CONF-701002 (1970)

**Authors:** J.W.Meadows

**Title:** Thermal Capture Cross Sections of  $^6\text{Li}$  and  $^{10}\text{B}$  by the Pulsed Neutron Method

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}, ^{10}\text{B}(\text{n},\gamma), \text{E}=\text{thermal}; \text{measured } \sigma.$

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**Keynumber:** 1968SP01

**Reference:** Nucl.Phys. A113, 395(1968)

**Authors:** P.Spilling, H.Gruppelaar, H.F.De vries, A.M.J.Spits

**Title:** The Reactions  $^{12}\text{C}(\text{n},\gamma)^{13}\text{C}$  and  $^{19}\text{F}(\text{n},\gamma)^{20}\text{F}$

**Keyword abstract:** NUCLEAR REACTIONS  $^6\text{Li}, ^{12}\text{C}, ^{19}\text{F}, ^{56}\text{Fe}(\text{n},\gamma), \text{E}=\text{thermal}; ^{19}\text{F}(\text{n},\text{n}'\gamma), \text{E}=\text{fast}; ^{19}\text{F}(\text{n},\alpha), \text{E}=\text{fast}; \text{measured } \text{E}\gamma, \text{I}\gamma; \text{deduced } \text{Q}, ^7\text{Li}, ^{13}\text{C}, ^{16}\text{O}, ^{19}\text{F}, ^{20}\text{F} \text{ deduced levels}, \text{branchings. Natural targets.}$

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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 (n, $\gamma$ ) Reaction Q Values from Capture  $\gamma$ -Ray Spectra

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

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