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**16 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  $A = 1 \div 25$

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

**Keynumber:** 1997LI10

**Reference:** Nucl.Phys. A619, 49 (1997)

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

**Title:** Direct Neutron Capture in Light Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{12}\text{C}, ^{16}\text{O}(n,\gamma), E < 600 \text{ keV}$ ; calculated  $\sigma(E_n)$ ; deduced influence of scattering potential depth. Consistent direct-semidirect model.

**Keynumber:** 1996NA27

**Reference:** Hyperfine Interactions 103, 43 (1996)

**Authors:** Y.Nagai, T.Shima, T.S.Suzuki, H.Sato, T.Kikuchi, T.Kii, M.Igashira, T.Ohsaki

**Title:** Fast Neutron Capture Reactions in Nuclear Astrophysics

**Keyword abstract:** NUCLEAR REACTIONS  $^1\text{H}, ^{12}\text{C}, ^{16}\text{O}(n,\gamma), E=10-300 \text{ keV}$ ; measured  $E\gamma, I\gamma, \text{capture } \sigma$  at some neutron energies. Implications for primordial and stellar nucleosynthesis.

**Keynumber:** 1995IG07

**Reference:** Astrophys.J. 441, L89 (1995)

**Authors:** M.Igashira, Y.Nagai, K.Masuda, T.Ohsaki, H.Kitazawa

**Title:** Measurement of the  $^{16}\text{O}(n,\gamma)^{17}\text{O}$  Reaction Cross Section at Stellar Energy and the Critical Role of Nonresonant p-Wave Neutron Capture

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma), E=10-80 \text{ keV}$ ; measured  $\sigma$ ; deduced Maxwellian averaged  $\sigma$ , nonresonant p-wave capture role.

**Keynumber:** 1994HU21

**Reference:** Chin.J.Nucl.Phys. 16, No 3, 270 (1994)

**Authors:** Z.-D.Huang, L.-H.Zhu, L.Hou, D.-Z.Ding

**Title:** The Measurement of  $^{16}\text{O}(n,\gamma)^{17}\text{O}$  Reaction at the Pygmy Resonance Region

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma), E=7-14 \text{ MeV}$ ; measured  $\sigma(\theta)$  vs  $E$ ; deduced  $\sigma(\gamma, n_0)$ .  $^{17}\text{O}$  deduced pygmy resonance characteristics.

**Keynumber:** 1992WIZZ

**Reference:** Bull.Am.Phys.Soc. 37, No.2, 869, A7 8 (1992)

**Authors:** R.R.Winters, H.Beer, F.Voss

**Title:** Recalculation of the  $^{16}\text{O}$  Maxwellian-Averaged Neutron Capture Cross Section Over the Energy Region of Stellar Nucleosynthesis

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma), E=\text{low}$ ; calculated Maxwellian-averaged  $\sigma$ . Resonance parameters data input.

**Keynumber:** 1992IG01

**Reference:** Nucl.Phys. A536, 285 (1992)

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

**Title:** Valence-Neutron Capture in the 434 keV  $p_{3/2}$ -Wave Resonance of  $^{16}\text{O}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma), E=280,434$  keV; measured  $\sigma(E,E\gamma)$  at  $\theta=125^\circ$ .  $^{17}\text{O}$  deduced resonance,  $\Gamma\gamma$ . Natural target. Valence-capture model.

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

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**Keynumber:** 1979WU05

**Reference:** Phys.Rev. C19, 1153 (1979)

**Authors:** N.Wust, H.Seyfarth, L.Aldea

**Title:** Two-Quantum Radiative Thermal Neutron Capture in  $^1\text{H}$

**Keyword abstract:** NUCLEAR REACTIONS  $^2\text{H}, ^{16}\text{O}(n,\gamma), E=\text{thermal}$ ; measured  $\sigma$  for double-photon emission,  $\sigma\gamma$ .

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**Keynumber:** 1977MCZG

**Coden:** REPT INDC(SEC)-62/L,P124,McDonald

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma), E=\text{th}$ ; measured  $E\gamma, I\gamma, \gamma\gamma$ -coin.  $^{17}\text{O}$  levels deduced  $\gamma$ -branching.

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**Keynumber:** 1977MC05

**Reference:** Nucl.Phys. A281, 325 (1977)

**Authors:** A.B.McDonald, E.D.Earle, M.A.Lone, F.C.Khanna, H.C.Lee

**Title:** Doubly Radiative Thermal Neutron Capture in  $^2\text{H}$  and  $^{16}\text{O}$ : Experiment and Theory

**Keyword abstract:** NUCLEAR REACTIONS  $^2\text{H}, ^{16}\text{O}(n,\gamma), E=\text{th}$ ; measured  $\sigma(E\gamma)$ ; deduced upper limit for  $\sigma(2\gamma)$ .  $^{17}\text{O}$  levels deduced  $\gamma$ -branching. Enriched target.

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**Keynumber:** 1976LOZX

**Coden:** REPT AECL-5508,P57

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma), E=\text{th}$ ; measured  $\sigma, \gamma\gamma$ -coin.  $^{17}\text{O}$  levels deduced  $\gamma$ -branching.

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**Keynumber:** 1976LE27

**Reference:** Phys.Lett. 65B, 201 (1976)

**Authors:** H.C.Lee, F.C.Khanna, M.A.Lone, A.B.McDonald

**Title:** Doubly Radiative Neutron Capture by  $^2\text{H}, ^3\text{He}, ^{16}\text{O}$  and  $^{208}\text{Pb}$

**Keyword abstract:** NUCLEAR REACTIONS  $^2\text{H}, ^3\text{He}, ^{16}\text{O}, ^{208}\text{Pb}(n,\gamma), E=\text{th}$ ; calculated  $\sigma(2\gamma), \sigma(2\gamma)/\sigma(\gamma)$ .

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**Keynumber:** 1974COYE

**Coden:** REPT KDK-6 P27

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma),E=6.5-10.5$  MeV; measured  $\sigma(E,E\gamma)$ .

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**Keynumber:** 1973FO11

**Reference:** Phys.Rev. C8, 545 (1973)

**Authors:** J.L.Fowler, C.H.Johnson, R.M.Feezel

**Title:** Level Structure of  $^{17}\text{O}$  from Neutron Total Cross Sections

**Keyword abstract:** NUCLEAR REACTIONS  $^{16}\text{O}(n,\gamma),E=0.6-4.3$  MeV; measured  $\sigma(E)$ .  $^{17}\text{O}$  deduced levels, $J,\pi$ ,level-width.

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**Keynumber:** 1971AL09

**Reference:** Phys.Rev. C3, 1737 (1971)

**Authors:** B.J.Allen, R.L.Macklin

**Title:** Neutron Capture Cross Sections of  $^{13}\text{C}$  and  $^{16}\text{O}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{13}\text{C}, ^{16}\text{O}(n,\gamma),E=\text{resonance}$ ; measured  $\sigma(E;E\gamma)$ .  $^{14}\text{C}, ^{17}\text{O}$  resonances deduced level-width.