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**9 reference(s) found :**

**Keynumber:** [1985BE32](#)

**Reference:** Phys.Rev. C32, 738 (1985)

**Authors:** H.Beer, R.L.Macklin

**Title:**  $^{198, 199, 200, 201, 202, 204}\text{Hg}(n,\gamma)$  Cross Sections and the Termination of s-Process Nucleosynthesis

**Keyword abstract:** NUCLEAR REACTIONS  $^{198, 199, 200, 201, 202, 204}\text{Hg}(n,\gamma), E=2.6-500$  keV; measured capture  $\sigma(E), \gamma$  yields; deduced astrophysical s-process termination, n-process nucleosynthesis age, Maxwellian averaged  $\sigma$ .  $^{199, 200, 201, 202, 203, 205}\text{Hg}$  deduced resonances,  $\Gamma\gamma, (g\Gamma n), (g\Gamma n\Gamma\gamma)/\Gamma$ , strength functions.

**Keynumber:** 1982BO20

**Reference:** Yad.Fiz. 35, 675 (1982)

**Authors:** V.I.Bondarenko, M.G.Urin

**Title:** Average Total Radiative Widths of Neutron Resonances and the E1 Transitions between the Nuclear Compound States

**Keyword abstract:** NUCLEAR REACTIONS  $^{94}\text{Mo}, ^{117}\text{Sn}, ^{123}\text{Sb}, ^{123}\text{Te}, ^{143}\text{Nd}, ^{198}\text{Hg}, ^{230}, ^{232}\text{Th}, ^{231}, ^{233}\text{Pa}, ^{234}, ^{238}\text{U}, ^{239}, ^{242}\text{Pu}, ^{241}\text{Am}, ^{244}, ^{246}\text{Cm}(n,\gamma), E$  not given; analyzed E1 photoabsorption data.  $^{95}\text{Mo}, ^{118}\text{Sn}, ^{124}\text{Sb}, ^{124}\text{Te}, ^{144}\text{Nd}, ^{199}\text{Hg}, ^{231}, ^{233}\text{Th}, ^{232}, ^{234}\text{Pa}, ^{235}, ^{239}\text{U}, ^{240}, ^{243}\text{Pu}, ^{242}\text{Am}, ^{245}, ^{247}\text{Cm}$  resonances deduced total  $\Gamma\gamma$ . Semi-microscopic shell model.

**Keynumber:** 1975LO03

**Reference:** Nucl.Phys. A243, 413 (1975)

**Authors:** M.A.Lone, E.D.Earle, G.A.Bartholomew

**Title:** Resonance Neutron Capture in  $^{198, 199, 201}\text{Hg}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{198, 199, 201}\text{Hg}(n,\gamma), E < 211$  eV; measured  $E\gamma, I\gamma$ .  $^{199, 200, 202}\text{Hg}$  deduced levels,  $J, \gamma$ -ray strength functions. Natural target. Ge(Li) detector.

**Keynumber:** 1973PE10

**Reference:** Acta Phys. 33, 363 (1973)

**Authors:** G.Peto, J.Csikai, G.M.Shuriet, I.Jozsa, V.Asztalos

**Title:** Average Cross Sections for Pu- $\alpha$ -Be Neutrons; Low-Energy Neutrons from  $\alpha$ -n Sources

**Keyword abstract:** NUCLEAR REACTIONS  $^{27}\text{Al}, ^{28}\text{Si}, ^{31}\text{P}(n,p), ^{77}\text{Se}, ^{79}\text{Br}, ^{87}\text{Sr}, ^{89}\text{Y}, ^{111}\text{Cd}, ^{115}\text{In}, ^{135}, ^{137}\text{Ba}, ^{197}\text{Au}, ^{199}\text{Hg}, ^{204}\text{Pb}(n,n'\gamma), ^{76}\text{Se}, ^{79}\text{Br}, ^{86}\text{Sr}, ^{110}\text{Cd}, ^{115}\text{In}, ^{127}\text{I}, ^{134}, ^{136}\text{Ba}, ^{197}\text{Au}, ^{198}\text{Hg}(n,\gamma), E < 2$  MeV; measured  $\sigma$ .

**Keynumber:** 1971LOZW

**Reference:** AECL-3865, p.56 (1971)

**Authors:** M.A.Lone, E.D.Earle, G.A.Bartholomew

**Title:** Resonance Neutron Capture  $\gamma$ -Ray Studies

**Keyword abstract:** NUCLEAR REACTIONS  $^{198}\text{Hg}(n,\gamma), E = \text{resonance}$ ; measured  $E\gamma, I\gamma$ .  $^{199}\text{Hg}$  deduced resonances, transitions.

**Keynumber:** 1970LOZW

**Coden:** REPT PR-P-87, AECL-3742

**Keyword abstract:** NUCLEAR REACTIONS  $^{198}\text{Hg}(n,\gamma), E=23,90$  eV resonances; measured  $E\gamma, I\gamma$ ; deduced Q.

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**Keynumber:** 1970LOZS

**Reference:** AECL-3668, p.75 (1970); See Also 70Lo17

**Authors:** M.A.Lone, E.D.Earle, G.A.Bartholomew

**Title:** Gamma Rays from  $^{198}, ^{201}\text{Hg}(n,\gamma)^{199}, ^{202}\text{Hg}$  Resonance Capture

**Keyword abstract:** NUCLEAR REACTIONS  $^{198}, ^{201}\text{Hg}(n,\gamma), E=\text{resonance}$ ; measured  $I\gamma$ .  $^{199}, ^{202}\text{Hg}$  deduced transitions,  $\gamma$ -branching.

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**Keynumber:** 1970LOZR

**Reference:** Bull.Amer.Phys.Soc. 15, No.12, 1668, CC8 (1970); See Also 70Lo16

**Authors:** M.A.Lone, G.A.Bartholomew, E.D.Earle

**Title:** Gamma Rays from Resonance Neutron Capture in  $^{198}\text{Hg}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{198}\text{Hg}(n,\gamma), E < 300$  eV; measured  $I\gamma$ .  $^{199}\text{Hg}$  deduced transitions,  $\gamma$ -branching.

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**Keynumber:** 1966RA23

**Reference:** RPI-328-68, p.33(1966)

**Authors:** E.R.Rae, W.Moyer, R.R.Fullwood, J.L.Andrews

**Title:** Gamma-Ray Spectra from Resonant Neutron Capture in Mercury, Tungsten and Barium (Germanium Spectrometer)

**Keyword abstract:** NUCLEAR REACTIONS  $^{135}\text{Ba}, ^{182}, ^{183}\text{W}, ^{198}, ^{199}\text{Hg}(n,\gamma), E=4-175$  eV; measured  $E\gamma, I\gamma, \text{resonance capture}$ .  $^{136}\text{Ba}, ^{183}, ^{184}\text{W}, ^{199}, ^{200}\text{Hg}$  deduced levels.