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**20 reference(s) found :**

**Keynumber:** 2001BOZT

**Reference:** nucl-ex/0110011,10/18/2001 (2001)

**Authors:** V.A.Bondarenko, J.Honzatko, V.A.Khitrov, A.M.Sukhovoij, I.Tomandl

**Title:** Cascade  $\gamma$ -Decay of the  $^{193}\text{Os}$  Compound Nucleus and Some Aspects of Dynamics of Change in Nuclear Properties Below  $B_n$

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}(n,\gamma), E=\text{thermal}$ ; measured  $E\gamma, I\gamma, \gamma\gamma\text{-coin. } ^{193}\text{Os}$  deduced levels, level density features.

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**Keynumber:** 1992VO13

**Reference:** Nucl.Sci.Eng. 112, 87 (1992)

**Authors:** J.Voignier, S.Joly, G.Grenier

**Title:** Capture Cross Sections and Gamma-Ray Spectra from the Interaction of 0.5- to 3.0-MeV Neutrons with Nuclei in the Mass Range  $A = 45$  to 238

**Keyword abstract:** NUCLEAR REACTIONS Sc, Ti, Rb, Mo, I, Cs, Ce, Pr, Ho, Lu,  $^{197}\text{Au}$ ,  $^{190}$ ,  $^{192}\text{Os}$ ,  $^{194}\text{Pt}$ ,  $^{238}\text{U}(n,\gamma), E=0.5\text{-}3$  MeV; measured absolute capture  $\sigma(E)$ .

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**Keynumber:** 1981HE03

**Reference:** Nucl.Phys. A357, 1 (1981)

**Authors:** M.Herman, A.Marcinkowski

**Title:** Cross Sections for Fast Neutron Capture on the Se, Pd, Cd, Os and Pt Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{78}, ^{80}, ^{82}\text{Se}$ ,  $^{108}, ^{110}\text{Pd}$ ,  $^{114}, ^{116}\text{Cd}$ ,  $^{190}, ^{192}\text{Os}$ ,  $^{196}, ^{198}\text{Pt}$  ( $n,\gamma$ ),  $E=0.5\text{-}1.3$  MeV; measured  $\sigma(E)$ . Activation technique. Compound nucleus model.

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**Keynumber:** 1981BR06

**Reference:** Phys.Rev. C23, 1434 (1981)

**Authors:** J.C.Browne, B.L.Berman

**Title:** Neutron-Capture Cross Sections for Osmium Isotopes and the Age of the Universe

**Keyword abstract:** NUCLEAR REACTIONS  $^{186}, ^{187}, ^{188}, ^{189}, ^{190}, ^{192}\text{Os}(n,\gamma), E=2$  eV-150 keV; measured  $\sigma$ ; deduced nucleosynthesis duration, age of universe, Maxwellian average  $\sigma$ .  $^{187}, ^{188}, ^{189}, ^{190}, ^{191}, ^{193}\text{Os}$  deduced average level spacing.

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**Keynumber:** 1979WA04

**Reference:** Nucl.Phys. A316, 13 (1979)

**Authors:** D.D.Warner, W.F.Davidson, H.G.Borner, R.F.Casten, A.I.Namenson

**Title:** The Nuclear Structure of  $^{193}\text{Os}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}(n,\gamma), E=\text{th}, 2$  keV; measured  $E\gamma, I\gamma$ .  $^{193}\text{Os}$  deduced levels,  $J, \pi$ . Curved crystal spectrometers. Ge(Li) detectors, enriched targets. Fragmentation of Nilsson strength. Coriolis mixing calculation.

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**Keynumber:** 1979HEZK

**Reference:** Bull.Am.Phys.Soc. 24, No.7, 870, CC1 (1979)

**Authors:** M.Herman, A.Marcinkowski

**Title:** Cross Sections for Fast Neutron Capture on Se, Cd, and Os Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{78}, ^{80}, ^{82}\text{Se}$ ,  $^{114}, ^{116}\text{Cd}$ ,  $^{190}, ^{192}\text{Os}$

(n, $\gamma$ ),E=0.53,0.86,1.20,1.31 MeV; measured  $\sigma$ . Activation technique. Statistical model estimates.

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**Keynumber:** 1979BRZM

**Reference:** Bull.Am.Phys.Soc. 24, No.7, 871, CC10 (1979)

**Authors:** T.Bradley, M.L.Stelts, R.E.Chrien, Z.Parsa

**Title:** Stellar Nucleosynthesis and the 24-keV Neutron Capture Cross Sections of Some Heavy Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{112}\text{Sn}$ ,  $^{130}\text{Ba}$ ,  $^{146}\text{Nd}$ ,  $^{186}\text{W}$ ,  $^{190}$ ,  $^{192}\text{Os}$ (n, $\gamma$ ),E=24 keV; measured  $\sigma$ .

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**Keynumber:** 1978WAZX

**Coden:** JOUR BAPSA 23 612 JF1,Warner

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}$ (n, $\gamma$ ),E=th; measured  $\gamma$ -spectra.  $^{193}\text{Os}$  deduced levels. Bent crystal spectrometers.

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**Keynumber:** 1978WAZL

**Coden:** CONF BNL(Neutron Capt  $\gamma$ -Ray Spectr),Contrib,No85,Warner

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}$ (n, $\gamma$ ),E=2 keV; measured  $E\gamma$ , $I\gamma$ .  $^{193}\text{Os}$  levels deduced E,J, $\pi$ . Coriolis calculation.

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**Keynumber:** 1978WAZH

**Coden:** CONF Brookhaven(Neutron Capt  $\gamma$ -Ray Spectr),Proc,P794,Warner

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}$ (n, $\gamma$ ),E=2 keV; measured  $E\gamma$ , $I\gamma$ .  $^{193}\text{Os}$  deduced levels,J, $\pi$ , $\gamma$ -branching. Coriolis calculation.

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**Keynumber:** 1978CA16

**Reference:** Phys.Lett. 76B, 280 (1978)

**Authors:** R.F.Casten, A.I.Namenson, W.F.Davidson, D.D.Warner, H.G.Borner

**Title:** Low-Lying Levels in  $^{194}\text{Os}$  and the Prolate-Oblate Phase Transition

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}$ ,  $^{193}\text{Os}$ (n, $\gamma$ ),E=th; measured  $E\gamma$ , $I\gamma$ .  $^{194}\text{Os}$  deduced levels,B(E2).

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**Keynumber:** 1977CAZR

**Coden:** JOUR BAPSA 22 997 AD13,Casten

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}$ (n, $\gamma$ ); measured double neutron capture  $\sigma(E\gamma)$ .  $^{194}\text{Os}$  deduced transitions.  $^{193}\text{Os}$ (n, $\gamma$ ); deduced  $\sigma$ .

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**Keynumber:** 1977CAZL

**Coden:** CONF Tokyo (Nucl Structure),Proc,Vol1,P440,Casten

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}$ ,  $^{193}\text{Os}$ (n, $\gamma$ ); measured  $\sigma(E\gamma)$ , $I\gamma$  for double neutron capture.  $^{194}\text{Os}$  deduced transitions.

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**Keynumber:** 1975VE11

**Reference:** Yad.Fiz. 22, 674 (1975); Sov.J.Nucl.Phys. 22, 348 (1976)

**Authors:** V.P.Vertebnyi, P.N.Vorona, A.I.Kalchenko, V.A.Pshenichnyi, V.K.Rudishin

**Title:** Interaction of Slow Neutrons with Isotopes of Os and Pt

**Keyword abstract:** NUCLEAR REACTIONS  $^{186}$ ,  $^{187}$ ,  $^{188}$ ,  $^{189}$ ,  $^{190}$ ,  $^{192}\text{Os}$ ,  $^{190}$ ,  $^{192}$ ,  $^{194}$ ,  $^{195}$ ,  $^{196}$ ,  $^{198}\text{Pt}$ (n, $\gamma$ ),E=thermal,resonance; measured  $\sigma$ .

**Keynumber:** 1974SI11

**Reference:** Ann.Phys.(New York) 83, 355 (1974)

**Authors:** K.Siddappa, M.S.Murty, J.R.Rao

**Title:** Neutron Strength Functions of Nuclei in the Deformed Region

**Keyword abstract:** NUCLEAR REACTIONS  $^{138}\text{Ba}$ ,  $^{140}$ ,  $^{142}\text{Ce}$ ,  $^{146}$ ,  $^{148}\text{Nd}$ ,  $^{152}$ ,  $^{154}\text{Sm}$ ,  $^{158}$ ,  $^{160}\text{Gd}$ ,  $^{159}\text{Tb}$ ,  $^{169}\text{Tm}$ ,  $^{170}\text{Er}$ ,  $^{174}$ ,  $^{176}\text{Yb}$ ,  $^{180}\text{Hf}$ ,  $^{181}\text{Ta}$ ,  $^{186}\text{W}$ ,  $^{190}$ ,  $^{192}\text{Os}$ ,  $^{197}\text{Au}$ ,  $^{202}\text{Hg}(n,\gamma)$ ,  $E=18-28$  keV; measured  $\sigma$ ; deduced p-wave strength functions.

**Reference:** Can.J.Phys. 52, 1160 (1974)

**Authors:** B.Singh, M.W.Johns

**Title:** Spin Determinations in Low Lying States of  $^{151}\text{Sm}$

**Keyword abstract:** RADIOACTIVITY  $^{151}\text{Pm}$ ; measured  $\gamma\gamma(\theta)$ ,  $I_\gamma$ .  $^{151}\text{Sm}$  levels deduced J,  $\pi$ ,  $\gamma$ -mixing,  $\lambda$ .

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**Keynumber:** 1972VEZM

**Reference:** Natl.Sov.Conf. on Neutron Physics, Kiev, p.181 (1971)

**Authors:** V.P.Vertebnyi, P.N.Vorona, A.I.Kalchenko, V.V.Koloty, M.V.Pasechnik, V.A.Pshenichnyi, Zh.I.Pisanko, V.K.Rudishin

**Title:** Investigation of the Interaction of Slow Neutrons with a Series of Isotopes of Elements in the Mass Region 168 - 192

**Keyword abstract:** NUCLEAR REACTIONS  $^{186}$ ,  $^{187}$ ,  $^{189}$ ,  $^{190}$ ,  $^{192}\text{Os}$ ,  $^{168}\text{Yb}(n,\gamma)$ ; measured  $\sigma(E)$ .  $^{187}$ ,  $^{188}$ ,  $^{190}$ ,  $^{191}$ ,  $^{193}\text{Os}$ ,  $^{169}\text{Yb}$  deduced resonances, level-width.

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**Keynumber:** 1972SI20

**Reference:** J.Phys.(London), A5, 877 (1972)

**Authors:** K.Siddappa, M.S.Murty, J.Rama Rao

**Title:** p Wave Neutron Capture in Medium and Heavy Weight Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{74}$ ,  $^{78}\text{Se}$ ,  $^{84}\text{Sr}$ ,  $^{109}\text{Ag}$ ,  $^{122}\text{Te}$ ,  $^{159}\text{Tb}$ ,  $^{169}\text{Tm}$ ,  $^{174}$ ,  $^{176}\text{Yb}$ ,  $^{178}$ ,  $^{179}\text{Hf}$ ,  $^{192}\text{Os}(n,\gamma)$ ,  $E=25$  keV; measured average  $\sigma$ .

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**Keynumber:** 1972LO06

**Reference:** Nucl.Phys. A181, 11 (1972)

**Authors:** K.E.G.Lobner, M.E.Bunker, J.W.Starner

**Title:** Search for Isomerism in  $^{193}\text{Os}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $I\beta(t)$ ,  $\gamma$ -spectra.  $^{193}\text{Os}$  deduced no 17 min isomer.

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**Keynumber:** 1970MUZS

**Coden:** CONF Madurai(Nucl,Solid State Phys),Vol2,P29

**Keyword abstract:** NUCLEAR REACTIONS  $^{74}\text{Se}$ ,  $^{84}\text{Sr}$ ,  $^{109}\text{Ag}$ ,  $^{122}\text{Te}$ ,  $^{159}\text{Tb}$ ,  $^{168}\text{Yb}$ ,  $^{174}$ ,  $^{176}\text{Yb}$ ,  $^{169}\text{Tm}$ ,  $^{178}$ ,  $^{179}\text{Hf}$ ,  $^{191}\text{Ir}$ ,  $^{192}\text{Os}(n,\gamma)$ ,  $E=25$  MeV; measured  $\sigma$ .

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**Keynumber:** 1969BI01

**Reference:** Nucl.Phys. A125, 305 (1969)

**Authors:** K.M.Bisgard, R.J.Hanson

**Title:** Evidence for a  $9/2^-(505)$  Isomeric State in  $^{193}\text{Os}$

**Keyword abstract:** RADIOACTIVITY  $^{193\text{m}}\text{Ir}$ [from  $^{192}\text{Os}(n,\gamma)$   $^{193}\text{Os}(\beta^-)$ ]; measured  $I(\text{ce})$ ,  $T_{1/2}$ .  $^{191}$ ,  $^{193}$ ,  $^{193\text{m}}\text{Os}$ [from  $^{190}$ ,  $^{192}\text{Os}(n,\gamma)$ ]; measured  $T_{1/2}$ ; deduced log ft, J,  $\pi$ . Enriched  $^{192}\text{Os}$  target.

**Keyword abstract:** NUCLEAR REACTIONS  $^{192}\text{Os}(n,\gamma)$ , E=th; deduced  $\sigma$ , isomer ratio. Enriched target.

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