^{192}Os(e,e′)   1984Re02,1984Re10,1988Bo08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 1871 (2012)	15-Jun-2012

1984Re02, 1984Re10: E(e)=150, 250, 355 (1984Re10 only), 360 (1984Re02 only), 364 MeV (1984Re10 only); θ=42° to 98°, momentum transfer=0.6≤q≤2.5 fm^{-1}, resolution (ΔE/E)=2×10^{-4}, enriched (99.07%) osmium targets; measured E(level), scattering cross sections, angular distributions, transition charge densities.

1988Bo08: E(e)=200 MeV, θ=30° to 60° (5° steps); E(e)=500 MeV, θ=25° to 64° (2° steps), θ=64° to 74° (4° steps), enriched (>94%) osmium targets, momentum transfer=0.6≤q≤3.2 fm^{-1}; measured E(level) (resolution (ΔE/E)=1.5×10^{-4}), transition charge densities; used interacting boson model to interpret data. See also 1987Bo06.

^{192}Os Levels

E(level)[†]	J$^{\pi}$[‡]	Comments
0.0	0$^+$	
206	2$^+$	B(E2)=2.009 *32* (1984Re10; analysis combined authors′ (e,e′) data with earlier muonic-atom data); B(E2)=1.999 *23* (1988Bo08).
489	2$^+$	B(E2)=0.189 *32* (1984Re10), B(E2)=0.187 *6* (1988Bo08).
580	4$^+$	B(E4)=0.0365 *42* (1984Re10), B(E4)=0.048 *4* (1988Bo08).
1351	3$^-$	B(E3)↑=0.131 *9* (1988Bo08)
		Other B(E3)↑:0.130 *34* (1984Re10).
		E(level): average of 1341 (1984Re02,1984Re10) and 1362 (1988Bo08). Level is equated with 1341.1, 3$^-$ adopted level (B(E3) very close to calculated (random phase approximation) strength for 3$^-$ bandhead and to B(E3) for neighboring Os isotopes (1984Re10)).
1940	4$^+$	J$^{\pi}$: from behavior of form factor at low momentum transfer (1988Bo08).
		B(E4)=1.60×10^{-3} *13* (1988Bo08).

[†] From 1988Bo08, except As noted.

[‡] From Adopted Levels, except as noted.