^{198}Hg(p,p′γ),(p,p′)   1991Ho07,1983Ra02,1980Mo30

1991Ho07: E=28.2 MeV; measure σ(E(p′),θ) with magnetic spectrometer (FWHM=17 keV) at θ=12°−118°; deduced J, π, L, and deformation parameters.

1983Ra02: E=2.4 MeV; measured γ-ray yields.

1980Mo30: calculate reduced B(E2); deduced phase transition, symmetry breaking effects; interacting boson model.

^{198}Hg Levels

E(level)[†]	J$^{\pi}$[#]	L[‡]	β_L	E(level)[†]	J$^{\pi}$[#]	L[‡]	β_L	E(level)[†]	J$^{\pi}$[#]	L[‡]	β_L
411 3	2$^+$	2	−0.110	1965 6				2331 4	4$^+$	4	+0.030
1047 4	4$^+$	4	−0.023	2005 8				2355 5			
1087 4	2$^+$	2	+0.018	2049 6				2400 4			
1404 5	0$^+$	0	+0.013	2067 11				2432 5			
1638 4	5$^-$	5	+0.027	2134 4	5$^-$	5	+0.032	2487 4	3$^-$	3	+0.058
1684 4	7$^-$	7	−0.013	2186 10				2535 4	3$^-$	3	+0.043
1834 4	4$^+$	4	+0.049	2213 6				2566 4			
1856 5	2$^+$	2		2259 4				2618 4			
1930 4	3$^-$	3	+0.031	2286 4							

[†] From 1991Ho07.
[‡] From dσ/dΩ(θ) DWBA analysis.
[#] From L values in 1991Ho07.