^{197}Au(p,6nγ) 1967IsZZ

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

E(p)=50-55 MeV; measured E(ce), Ice (mag spect), ce angular distributions.

^{192}Hg Levels

E(level)[†]	J$^{\pi}$[‡]
0.0	0^+
423	2^+
1061	4^+
1805	6^+
1847	$(5)^-$
2659?	

[†] From Eγ.
[‡] Adopted values.

γ(^{192}Hg)

E$_\gamma$	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Mult.[†]	α[‡]	Comments
423	423	2^+	0.0	0^+	E2	0.0410	K/L=2.8 *2*.
638	1061	4^+	423	2^+	E2	0.01533	K/L=3.0 *2* (combined value for 638γ and 635γ(^{194}Hg)).
744	1805	6^+	1061	4^+	E2	0.01100	K/L=3.2 *3*.
786	1847	$(5)^-$	1061	4^+	E1		
854[#]	2659?		1805	6^+			

[†] From 1967IsZZ, based on K/L ratios and/or ce(θ).
[‡] Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.
[#] Placement of transition in the level scheme is uncertain.

Legend

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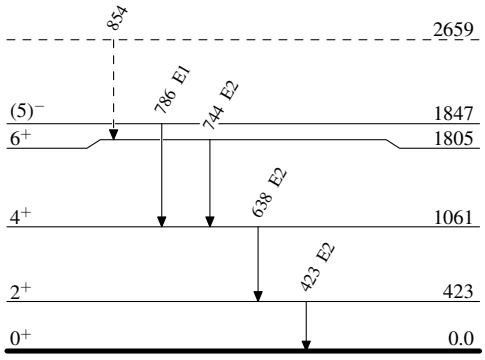
Level Scheme

γ Decay (Uncertain)



$^{192}_{80}Hg_{112}$