

$^{194}\text{Pt}(\alpha, 8n\gamma)$ **1975Li16**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, ¹ and Jun Chen ²		NDS 169, 1 (2020)	15-Oct-2020

1975Li16 (also **1974Be11**): E=108 MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, $\gamma(\theta)$, $\gamma(t)$.

 ^{190}Hg Levels

E(level) [†]	J^π [‡]	$T_{1/2}$	Comments
0.0 [#]	0 ⁺		
416.2 [#] 3	2 ⁺		
1041.6 [#] 5	4 ⁺		
1772.5 [#] 5	6 ⁺		
1880.8 [@] 5	5 ⁻		
2077.5 [@] 6	7 ⁻		
2317.4 6	(8) ⁻		
2334.4 [@] 6	(9) ⁻		
2464.3 [#] 6	(8) ⁺		
2596.1 [#] 7	(10) ⁺		
2620.0 [#] 9	(12) ⁺	24 ns 3	$T_{1/2}$: $\gamma(t)$. Level from the Adopted Levels.
2864.0 [@] 7	(11) ⁻		
3039.6 [#] 9	(14) ⁺		

[†] From least-squares fit to $E\gamma$ data.

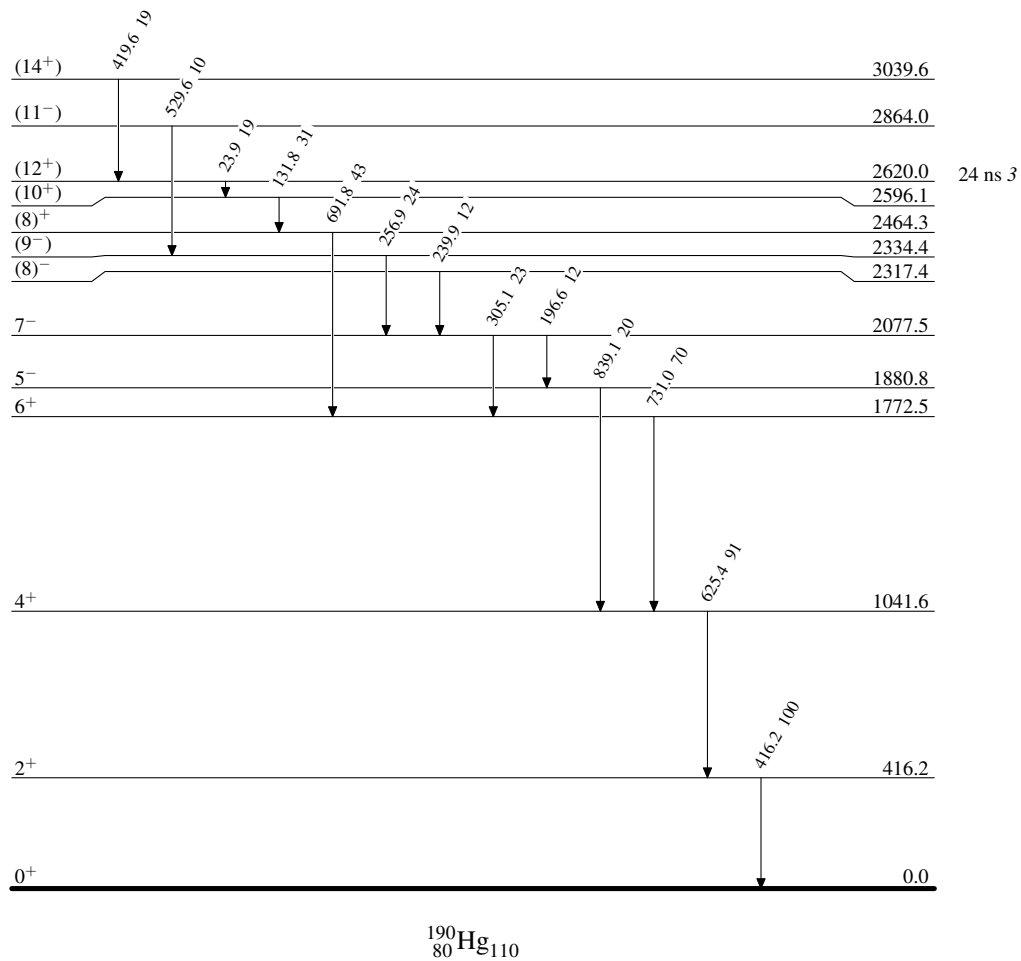
[‡] From the Adopted Levels.

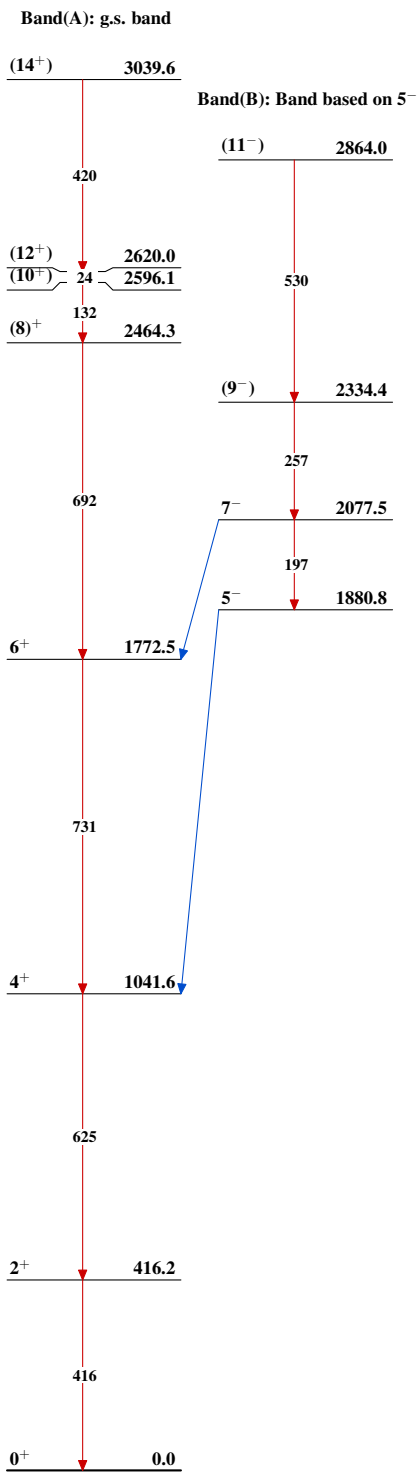
[#] Band(A): g.s. band.

[@] Band(B): Band based on 5⁻.

 $\gamma(^{190}\text{Hg})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	$I_{(\gamma+ce)}$	Comments
23.9 5	2620.0	(12) ⁺	2596.1	(10) ⁺	19 6	E_γ : from the Adopted Gammas. $I_{(\gamma+ce)}$: $I(\gamma+ce)(419.6\gamma)=I(\gamma+ce)(23.9\gamma)$.
131.8 3	2596.1	(10) ⁺	2464.3	(8) ⁺	31 6	
196.6 3	2077.5	7 ⁻	1880.8	5 ⁻	12 3	
239.9 3	2317.4	(8) ⁻	2077.5	7 ⁻	12 3	
256.9 3	2334.4	(9) ⁻	2077.5	7 ⁻	24 7	
305.1 3	2077.5	7 ⁻	1772.5	6 ⁺	23 3	
416.2 3	416.2	2 ⁺	0.0	0 ⁺	100 8	
419.6 3	3039.6	(14) ⁺	2620.0	(12) ⁺	19 6	
529.6 3	2864.0	(11) ⁻	2334.4	(9) ⁻	10 5	
625.4 3	1041.6	4 ⁺	416.2	2 ⁺	91 8	
691.8 3	2464.3	(8) ⁺	1772.5	6 ⁺	43 6	
731.0 3	1772.5	6 ⁺	1041.6	4 ⁺	70 6	
839.1 3	1880.8	5 ⁻	1041.6	4 ⁺	20 6	

$^{194}\text{Pt}(\alpha,8n\gamma)$ **1975Li16**Level Scheme

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