^{198}Pt(^{3}He,α)   **1985Th02**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong, Zhou Chunmei	NDS 104, 283 (2005)	1-Jan-2002

Other: 1983ThZY.

E=30 MeV, measured σ(Eα,θ), in steps of 2.5° in 5°−45°, FWHM=35 keV; compared with predictions of current quasiparticle-core coupling models.

^{197}Pt Levels

E(level)[†]	J$^{\pi}$[‡]	L[&]	C^{2}S[a]	Comments
58 *10*	5/2^{-}[#]	3	1.31	
302 *10*	5/2^{-}[#]	3,4	0.82	L: L=3,4 in authors′ table.
400 *10*	13/2^{+}[#@]	6	5.36	
523 *10*	9/2^{+}	4		
612 *10*	13/2^{+}[@]	6	0.19	
713 *10*	5/2^{-}	3	0.14	
767 *10*	(17/2^{+})[#]			
852 *10*	5/2^{-},7/2^{-}	3,4	0.70	J$^{\pi}$: from Adopted Levels for 854, 859 levels. L: L=3,4 in authors′ table. L=3 in authors′ figure. C^{2}S: assumed J=5/2^{-}.
965 *10*		2,3,4		L: not given in table. L values are from authors′ figure.
1024 *10*	5/2^{-}	3,4	0.24	L: L=3,4 in authors′ table. L=3 in authors′ figure.
1136 *10*	13/2^{+}[#@]	6	2.78	
1231 *10*	5/2^{-}	3,4	0.27	L: L=3,4 in authors′ table. L=3 in authors′ figure.
1294 *10*	5/2^{-}	3,4	0.77	L: L=3,4 in authors′ table. L=3 in authors′ figure.
1369 *10*	9/2^{-}	5,6	1.79	L: L=5,6 in authors′ table. L=5 in authors′ figure.
1431 *10*	13/2^{+}[@]	6,5	0.56	L: L=5,6 in authors′ table. L=6 in authors′ figure.
1548 *10*	13/2^{+}[@]	6,5	0.83	L: L=5,6 in authors′ table. L=6 in authors′ figure.
1775 *10*	13/2^{+}[@]	6,5	0.50	L: L=5,6 in authors′ table. L=6 in authors′ figure.
1861 *10*	13/2^{+}[@]	6,5	0.45	L: L=5,6 in authors′ table. L=6 in authors′ figure.
1929 *10*	13/2^{+}[@]	6,5	0.32	L: L=5,6 in authors′ table. L=6 in authors′ figure.
2143 *10*	9/2^{-}	5,6	1.91	L: L=5,6 in authors′ table. L=5 in authors′ figure.

[†] ΔE≤10 keV.

[‡] Assumed for C2S extractions, except as noted.

[#] Values are given in authors′ figure for $\gamma(\theta)$.

[@] Strong peaks corresponding to transfer into 13/2^{+} states (L=6). Candidates for 13/2^{+} states are based on systematics of ^{191}Pt, ^{193}Pt, ^{195}Pt, and ^{197}Pt (1985Th02).

[&] From $\sigma(\theta)$ DWBA analysis. Values in authors′ data table and in authors′ $\sigma(\theta)$ fitting figures are consistent, except as noted.

[a] Compared with C^{2}S of (d,t) and (p,d).