^{198}Pt(t,p) 1981Ci01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 192,1 (2023)	1-Aug-2023

Target: 96% enriched ^{198}Pt; Beam energy: E(t)=17 MeV; Detectors: magnetic spectrometer, proportional chamber in the focal plane; Measured: $\sigma(\theta)$; DWBA calculations.

^{200}Pt Levels

E(level)[†]	J^{π}[‡]	$T_{1/2}$	L[†]	S[#]	Comments
0	0^+	12.6 h *3*	0	10.1	$T_{1/2}$: From Adopted Levels. J^{π}: From Adopted Levels.
466 *6*	2^+				
863 *6*	(2^+)		(2)		
1099 *6*	(4^+)		(4)		
1263 *5*	(4^+)		(4)		
1561 *7*					
1579 *6*	0^+		0	0.20	
1617 *8*					
1684 *9*					
1726 *6*	(2^+)		(2)		
1757 *5*	(2^+)		(2)		
1842 *7*	(2^+)		(2)		
1872 *5*					
1915 *5*					
1936 *5*	(4^+)		(4)		
1986 *5*	(2^+)		(2)		
2014 *6*	0^+		0	0.30	
2118 *7*	(2^+)		(2)		
2128 *7*					
2144 *6*					
2156 *6*	(2^+)		(2)		
2168 *6*					
2253 *7*	0^+		0	0.36	
2299 *7*					
2402 *9*					
2431 *7*					
2461 *8*	(4^+)		(4)		
2491 *10*					
2525 *10*					
2551 *8*					
2668 *9*	(2^+)		(2)		
2709 *9*					
2731 *11*					

[†] From 1981Ci01.
[‡] From L values in 1981Ci01, unless otherwise stated.
[#] Enhancement factor $S=N\times(d\sigma/d\Omega)_{expt}/(d\sigma/d\Omega)_{DWBA}$ with N=1/22; $\Delta S\approx$15-20 %.