

$^{196}\text{Pt}(t,p)$ 1981Ci01,1979Ci05

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao		NDS 133, 221 (2016)	1-Dec-2015

E(t)=17 MeV; 97.28% enriched ^{196}Pt target. Q3D spectrometer and helical proportional chamber. Angular distributions measured from 10° to 60° in 5° steps for enriched target. Measured: $\sigma(\theta)$. DWBA calculations. FWHM $\approx$ 15 keV estimated by evaluators from authors' spectrum.

 ^{198}Pt Levels

Enhancement factor $S=N(d\sigma/d\Omega)_{\text{exp}}/(d\sigma/d\Omega)_{\text{DWBA}}$ with $N=1/22$.

E(level)	$L^{\ddagger}$	$d\sigma/d\Omega$ (25°), $\mu\text{b/sr}$	Comments
0	0	355 3	S=11.8.
408 5		5.7 3	
780 5	(2)	2.7 4	
990 5	(4)	13.8 8	
1291 5	(4)	13.5 10	
1373 6		1.6 3	S=0.39.
1484 6	0	5.3 5	
1517 8		0.4 3	
1555 5	(2)	3.6 5	
1639 6	(2)	5.5 9	
1658 6		12.1 12	S=0.23.
1682 5		5.8 8	
1718 5	(2)	11.4 10	
1779 5		3.6 4	
1815 6		2.3 6	
1869 5	0	9.2 12	
1892 5	(4)	28 2	
1938 6		5.5 6	
1956 6	(2)	10.7 7	
1977 6		2.7 4	
2059 6		4.2 5	S=0.23.
2083 7	(4)	4.6 6	
2119 6	(2)	5.0 6	
2149 6	(4)	8.2 12	
2170 6	(2)	2.8 5	
2229 6	(2)	3.0 4	
2252 7		0.4 3	
2289 6	(4)	6.8 9	
2325 6	(2)	4.1 7	
2352 6	(2)	5.4 5	
2373 7		3.4 3	S=0.23.
2411 6	(2)	6.1 8	
2440 6		8.7 10	
2472 6		9.3 10	
2531 6		5.7 11	
2574 6		13 2	
2628 6		3.7 8	
2683 [†] 6		6.2 8	
2740 7		9.9 9	
2778 6		7.3 9	
2802 7	0	4.5 7	

[†] Probable doublet.

[‡] From $d\sigma/d\Omega(\theta)$ DWBA analysis.