

$^{194}\text{Pt}(t,p)$  1981Ci01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong	NDS 108, 1093 (2007)	1-Jan-2006

E=17 MeV. 97.28% enriched  $^{196}\text{Pt}$  and natural target. Q3D spectrometer and helical proportional chamber. Angular distributions measured from  $10^\circ$  to  $60^\circ$  in  $5^\circ$  steps for enriched target and at  $25^\circ$ ,  $30^\circ$ , and  $50^\circ$  for natural target. DWBA calculations. FWHM $\approx$ 15 keV estimated by evaluators from authors' spectrum.

1979Ci05 report relative and absolute g.s. transition strengths for even-mass Pt and Os nuclei. 1979CiZY from same group as 1981Ci01.

S: Additional information 1.

 $^{196}\text{Pt}$  Levels

E(level)	$L^\dagger$	E(level)	$L^\dagger$	E(level)	$L^\dagger$	E(level)	$L^\dagger$
0.0	0	1601 6		2093 3	(2)	2591 5	(2)
357 3		1676 3		2120 3		2626 5	(2)
692 3	(2)	1798 3		2169 3		2667 5	
874 3	(4)	1819 5	0	2196 3	0	2694 5	
1132 3	0	1846 3	(2)	2267 6	(2)	2723 5	
1267 3		1883 3	(4)	2305 8	(2)	2756 5	
1291 3	(4)	1916 8	$\ddagger$	2326 8		2774 5	
1363 3		1935 5		2419 5		2817 6	
1401 3	0	1971 <sup>#</sup> 8		2449 7		2834 5	
1445 3		2001 3	(4)	2489 8		2873 5	(2)
1537 4		2047 3	(2)	2529 5			

$^\dagger$  From DWBA analysis of  $\sigma(\theta)$ .

$\ddagger$  The 1916+1935 doublet could not be unambiguously separated at all angles, but  $\sigma(\theta)$  for the 1916 component is consistent with  $L=0$ .

$\#$  Tentatively assigned to  $^{196}\text{Pt}$ .