^{198}Pt(t,d)   1990Bu26

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 108, 79 (2007)	15-Oct-2006

1990Bu26: E(t)=18 MeV; measured E(d), $\sigma(\theta)$; magnetic spectrometer, FWHM≈17 keV; DWBA analysis. Comparison with U(6/12) supersymmetry model.

^{199}Pt Levels

E(level)	$J^{\pi\dagger}$	L	S$^{\ddagger\#}$	E(level)	L	S$^{\ddagger\#}$
0	5/2$^-$	3	1.48	1159 3		
35.7 10	(3/2)$^-$	1	1.08	1243 3		
87 1	(3/2)$^-$	1	0.040	1280 4		
133 1	1/2$^-$	1	0.30	1337^a 4	a	
351$^@$	5/2$^-$,7/2$^-$	3	0.062	1363^a 4	a	
382 2	3/2$^-$	1	0.032	1403 4		
430 3				1527$^{@a}$	a	
472 3	3/2$^-$	1	0.062	1604 7		
493 2	(11/2$^+$,13/2$^+$)	(6)	1.12	1688 4		
514 2	(7/2$^-$)	(3)	0.21	1719$^{\&a}$ 4	[3]^a	3.0$^\&$
580 2	(7/2$^-$)	(3)	0.058	2195 10		
646 2	(1/2$^-$,3/2$^-$)	(1)	0.009	2225 10		
911 3	(1/2$^-$,3/2$^-$)	(1)	0.020	2270^a 10	a	
936 3				2297^a 10	a	
956 3	1/2$^-$,3/2$^-$	1	0.11	2390^a 10	a	
976 3		(3)	0.11	2440^a 10	a	
1057 3		(1)	0.13			

† From 1990Bu26; based on L transfers in (t,d) and analyzing powers in (pol d,p). The assignments are consistent with those in 'Adopted Levels'.

‡ S=[dσ/dΩ(exp)]/N[dσ/dΩ(DWBA)], N=5.06. The S factor given here is equivalent to C^{2}S given by other authors.

$^\#$ Relative values as given by 1990Bu26. Authors have increased their deduced values by the factor of 1.5 to make their overall average consistent with the (d,p) results.

$^@$ Energy read from fig. 8 of 1990Bu26.

$^\&$ Intense peak is a multiplet. Strength given is obtained by assuming that all the observed cross section is from L=3 transition.

^{a} $\sigma(\theta)$ measured by 1990Bu26, but No L value could Be deduced. L=(3) In (d,p).