

¹⁹⁸Pt(pol d,t), (d,t) 1990Bu26,1985KaZR,1978Ya07

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

Others: 1978Be09, E=26 MeV.

Q(d,t)=1299 3keV (2003Au03).

1990Bu26: polarized d, E=18 MeV, measured $\sigma(E(t),\theta)$, vector-analyzing power, $\theta=10^\circ-70^\circ$, FWHM=16 keV, DWBA analysis and analyzing power.

1978Ya07: E=13.5 MeV, FWHM spectrograph resolution=13-18 keV; measured $\sigma(E(t),\theta)$, Q; DWBA analysis.

1985KaZR: polarized d, E=18 MeV; $\sigma(\theta)$ and vector analyzing power measured. FWHM \approx 20 keV (estimated by evaluator from authors' spectrum).

1965Mu05: E=15 MeV, measured $\sigma(E(p),\theta=60^\circ)$.

¹⁹⁷Pt Levels

E(level) [†]	J π #	L@	S&	Comments
0.0	1/2 ⁻	1	0.39	
53 1	5/2 ⁻	3	1.6	
72 1	3/2 ⁻	1	0.42	
98 1	3/2 ⁻	1	0.61	
131 1	1/2 ⁻	1	0.23	
269 1	(1/2) ⁻	1	0.02	
299 1	5/2 ⁻	3	0.15	1978Ya07 reported 302, L=(1), possibly corresponds to 269 level.
399 1	13/2 ⁺	6	4.7	
457 1	5/2 ⁻	3	0.19	
483 1	(7/2) ⁻	3	0.27	1978Ya07 reported 481.1, L=(1), possibly corresponds to 502 level.
502 1	3/2 ⁻	1	0.17	1978Ya07 reported 500.8, L=1, possibly corresponds to 502 level.
529 1	7/2 ⁻	3	0.73	
594 1	(5/2) ⁻	3	0.08	
709 1	3/2 ⁻	1	0.08	
747 1	1/2 ⁻	1	0.09	
812 1	(1/2) ⁻	1	0.02	
854 1	7/2 ⁻	3	0.54	
898 1	(1/2) ⁻	1	0.03	
972 2	3/2 ⁻	1	0.07	S: sum of 972 and 978 levels.
978 2	3/2 ⁻	1	0.07	S: sum of 972 and 978 levels.
1028 1	7/2 ⁻	3	0.24	
1060 1	3/2 ⁻	1	0.12	
1107 2	(5/2) ⁻	3	0.15	
1133 2	1/2 ⁻ ,3/2 ⁻	1	0.08	
1159 2	1/2 ⁻ ,3/2 ⁻	1	0.21	
1209 3	-	1,3		
1248 2	(7/2) ⁻	3	0.20	
1297 2	7/2 ⁻	3	0.43	
1330 2	3/2 ⁻	1	0.13	
1378 3	(5/2 ⁻)	(3)	0.12	
1397 2	3/2 ⁻	1	0.12	
1464 5		(1)		
1525 5				
1582 5		(3)		
1670 5		(1)		
1711 5		(1)		
1955 5				
1985 5				
2009 5				
2050 [‡] 20				

Continued on next page (footnotes at end of table)

 $^{198}\text{Pt}(\text{pol d,t}), (\text{d,t})$ [1990Bu26](#), [1985KaZR](#), [1978Ya07](#) (continued) ^{197}Pt Levels (continued)

<u>E(level)[†]</u>	<u>L[@]</u>
2082.5	(1)
2210 [‡]	20
2560 [‡]	20

[†] From [1990Bu26](#), except as noted.

[‡] From [1965Mu05](#).

From $\sigma(\theta)$ DWBA and vector analyzing power ([1990Bu26](#)).

@ From $\sigma(\theta)$ DWBA analysis ([1990Bu26](#)), except as noted.

& Values are given by $d\sigma/d\Omega \text{ exp} = \text{NS} \times d\sigma/d\Omega(\text{DWBA})$ ([1990Bu26](#)).