

¹⁹⁶Pt(d,³He) 1987La07,1986LaZV

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao		NDS 121,395 (2014)	1-Mar-2014

E=108.4 MeV.

Measured $\sigma(\text{ex},\theta)$; DWBA analysis; valence, inner-proton hole strength functions; core quasiparticle coupling model.

Ex, MeV	L	C ² S					
		3s1/2	2d3/2	2d5/2	1h11/2	1g7/2	2p
0.00-0.25	2+5+(0)	(0.48)	1.80		2.20		
0.25-0.35	2+5		0.35		0.10		
0.35-0.62	2+(5)+(0)	(0.26)		1.45	(0.17)		
0.62-0.85	2+5			0.59	1.35		
0.85-1.25		(0.32)	0.20	0.20	1.95		
1.25-1.50	2+5			0.46	0.14	(0.2)	
1.50-1.75	2+5			0.65	1.20		
1.75-2.00	2+5			0.45	0.90		
2.00-2.50	2+4+5			0.80	0.90	1.2	
2.50-3.00				0.60	0.80	(0.5)	
3.00-3.50	2+4+5			0.35	0.40	1.0	
3.50-4.00	2+4+(5)			(0.35)	(0.15)	1.8	
4.00-4.50	(1+2)+4			(0.30)	(0.30)	1.0	(0.2)
4.50-5.00	(1+2)+4			(0.30)	(0.20)	1.0	(0.2)
5.00-6.00				(0.40)	(0.35)	2.0	(0.2)

E(level), MeV	configurations
0.00	2d3/2
0.10	1h11/2
0.29	2d3/2
0.50	2d3/2
0.57	1h11/2
0.72	1h11/2
0.90	2d5/2
1.02	1h11/2
1.17	2d3/2
1.35	1h11/2
1.47	2d5/2
1.59	1h11/2
1.70	2d5/2
1.80	1h11/2
1.95	2d5/2
2.05	1h11/2
2.25	2d5/2
3.60	1g7/2