^{195}Pt(d,p) 1984Ve06

History

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

1984Ve06: E=25.2 MeV natural Pt target. Magnetic spectrometer, FWHM=22 keV. Measured $\sigma(\theta)$ at 11 angles between 5° and 45°, observed multi-J supersymmetry breaking evidence. Deduced spectroscopic strengths. DWBA analysis (1984Ve06).
1965Mu05: E=15 MeV, measured σ(E(p)), θ=90°, enriched target, FWHM=50-70 keV.
See also 1960Co10.

^{196}Pt Levels

E(level)[†]	J^{π}[#]	S[@]	Comments
0.0	0^+	0.76	
356	2^+	0.132 *16*	
689	2^+	0.144[&]	
877	4^+	0.13	
1015	3^+	<0.04[&]	
1135	0^+	0.16[&]	
1293	4^+		E(level): the observed peak is probably a 1270-1293 keV doublet. $\sigma(\theta)$ is not well fitted by an L=3 transfer.
1362	2^+	<0.04[&]	
1403	0^+	0.274[&]	
1677	2^+	0.308	
2010[‡] *20*			
2600[‡] *20*			
2670[‡] *20*			

[†] Rounded-off values from Adopted Levels. Authors quote energies from other work.
[‡] From 1965Mu05.
[#] From the Adopted Levels.
[@] Spectroscopic factor S=2G. Absolute spectroscopic strengths G extracted from the measured target thickness.
[&] Forbidden by selection rules.