^{195}Pt(t,p) 1982Ci02

History

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

Target $J^{\pi}=1/2^{-}$.
E=17 MeV, measured E and σ(E(t),θ) (in steps of 5° for θ=10°−60°) with Q3D (FWHM=15 keV); DWBA analysis.

^{197}Pt Levels

E(level)†	L‡	E(level)†	L‡	E(level)†	L‡	E(level)†	L‡
0	0	561#& 5		1144 5		1743@ 5	
52 5	2	590 5	4	1162 5	(0)	1761 5	
72 5	2	707 5	2	1243 5		1787 5	(4)
99 5	2	744 5	0	1276@ 5	2	1812 5	
131 5	0	797 5		1292@ 5	4	1874 5	
271 5	2	847@ 5		1439 5		1908 5	4
301 5	2	859@ 5	2	1507 5		1947# 5	
394 5		896 5		1540 5		1999# 5	
455# 5		978 5		1608 5		2186a 5	
520@ 5		1055 5		1657 5			
531@ 5	(2)	1099 5		1687 5			

† ΔE<5 keV typically.
‡ From $\sigma(\theta)$ DWBA analysis.
# Broad peak, probably a doublet.
@ Resolution of multiplet structure.
& Tentatively assigned to ^{197}Pt.
a Partially obscured by contaminant at 25°. It was difficult to unambiguously assign higher lying peaks to ^{197}Pt, so no other levels are quoted.