^{192}Pt(^{3}He,α) 1985Th02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 195,368 (2024)	1-Dec-2023

Target: 57% enriched ^{192}Pt. Projectile: ^{3}He, E=50 MeV. Measured scattered α's at θ=5° to 45° in steps of 2.5°. Detector: magnetic spectrograph, FWHM=35 keV.

^{191}Pt Levels

E(level)	J$^{\pi}$[&]	L[†]	C^{2}S[‡]	Comments
26 *10*				
149 *10*	(13/2)$^+$	6	6.53	
300 *10*	(9/2)$^+$	4	0.32	
397 *10*	5/2$^-$,7/2$^-$	3	1.24	J$^{\pi}$: From L=3. 7/2$^-$ in the Adopted Levels. C^{2}S: C^{2}S if J^{π}=5/2$^-$.
481[#] *10*				
658[#] *10*				
800 *10*	(11/2$^+$,13/2$^+$)	(6)	0.50	C^{2}S: C^{2}S if J^{π}=13/2$^+$.
965 *10*	(11/2$^+$,13/2$^+$)	(6)	0.94	C^{2}S: C^{2}S if J^{π}=13/2$^+$.
1194 *10*	(11/2$^+$,13/2$^+$)	(6)	0.88	C^{2}S: C^{2}S if J^{π}=13/2$^+$.
1372[@]				
1560[@]				

[†] From a comparison between experimental and theoretical (DWBA) cross sections at various angles.
[‡] C^{2}S=(1/N) (σ(exp)/σ(DWBA)), where N=34.
[#] Doublet.
[@] Complex level. Not adopted.
[&] From Adopted Levels.