

$^{112}\text{Cd}(\alpha,t)$ 1974Ma09

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 1471 (2010)	1-May-2009

E=27 MeV. Magnetic spectrograph with spark counter. $\sigma(\theta)$ at 10 angles (10° – 80°), compared with DWBA calculations.

 ^{113}In Levels

E(level)	J^π [†]	L	C^2S [‡]	Comments
0	9/2 ⁺	4	0.15	
393 5	1/2 ⁻	1	0.083	
648 5	3/2 ⁻	1	0.078	
1026 5	5/2 ⁺	2	0.30	E(level): probable doublet.
1066 5	3/2 ⁺	2	0.090	
1133 5	5/2 ⁺	2	0.021	
1194 5	7/2 ⁺	4	0.19	
1571 5	7/2 ⁺ ,9/2 ⁺	4	0.022,0.03	
1634 5		(3,4)		
1774 10	3/2 ⁺	2	0.099	
2048 10	7/2 ⁺	4	0.063	
2104 10	11/2 ⁻	5	0.028	
2376 10	11/2 ⁻	5	0.11	
2559 10	11/2 ⁻	5	0.080	

[†] Assumed for calculation of C^2S .

[‡] C^2S normalized to the sum rule limit for the 3 lowest levels.