

$^{110}\text{Cd}(\text{t,p})$ 1987Me19

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, F. G. Kondev		NDS 124, 157 (2015)	1-Aug-2014

Facility: Univ.Pennsylvania tandem accelerator; Beam: E(t)=15 MeV; Target: 100 $\mu\text{g}/\text{cm}^2$ enriched to 97.2% in ^{110}Cd and backed on Au; Detectors: multiangle magnetic spectrograph, FWHM $\approx$ 25 keV; Measured: $d\sigma/d\Omega$; Deduced: ^{112}Cd levels, L from DWBA analysis with DWUCK, J^π ;

 ^{112}Cd Levels

E(level) [†]	J^π [‡]	L [#]	Comments
0.0	0 ⁺	0	
617 4	2 ⁺	2	
1223 4	0 ⁺	0	
1312 4	2 ⁺	2	
1414 4	(4)	(4)@	
1431 4	(0)	(0)@	
1467 4	2 ⁺	2	
1873 4	0 ⁺	0	
2006 4	3 ⁻	3	
2085 4	4 ⁺	4	
2123			
2162 4	2 ⁺	2	
2231 4	(2 ⁺)	(2)	L: contaminated transition.
2306 4	0 ⁺	0	
2375 4	5 ⁻	5	
2457 4	4 ⁺	4	
2505 4		2,4@	L: L=1 can not be also excluded.
2570 4		(0,2,6)@	
2671 4		(2,6)@	
2718 4		(0,2,6)@	
2763 4	2 ⁺	2	
2829 4	0 ⁺	0	
2865 4		(1,4)@	
2974 4		(2,4)@	
3071 4		(1,2,4)@	
3108 4	2 ⁺	2	
3133 4	(2 ⁺)	(2)	
3175 4	3 ⁻	3	
3242 4		(0,2,3)@	
3302 4	(6 ⁺)	(6)	
3335 4		(0,1,4)@	
3365 4			
3393 4			
3415 4	4 ⁺	4	

[†] From 1987Me19.

[‡] From 1987Me19, based on L.

[#] From 1987Me19, based on $d\sigma/d\Omega$ and DWBA analysis.

@ Unresolved multiplet.