

$^{111}\text{Cd}(\text{p},\text{p}')$ 1967Ko07

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 110, 1239 (2009)	1-Feb-2008

$E(\text{p})=14.2$ MeV.

Magnetic-spectrometer resolution: $\text{FWHM}\approx 40$ keV.

 ^{111}Cd Levels

E(level)	L^\dagger	σ^\ddagger	Comments
0.0			
339 10	2	5.6	
545 10	2	3.3	E(level): seen only in this reaction, not adopted.
612 10	2	8.6	
736 10	2	3.3	
1692 10	3	0.9	
1800 10	3	2.6	
1970 10	3	2.3	

† Deduced from proton angular distributions $30^\circ-145^\circ$ at ≈ 10 angles compared with DWBA calc.

‡ Cross section (mb), integrated cross sections, and β_L parameters extracted (1967Ko07).