

$^{113}\text{Cd}(n,\gamma) E=2,24 \text{ keV}$ **1984Mh01,1980ScZZ**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

All levels with $J^\pi=0,1,2,3^+$ are seen and with 24-keV neutrons also 3^- level.

 ^{114}Cd Levels

E(level) [†]	J^π [‡]	E(level) [†]	J^π [‡]	E(level) [†]	J^π [‡]	E(level) [†]	J^π [‡]
0.0	0 ⁺	2455.9 2	1 ⁻	2902.6 8	3 ⁺ , (0 ⁺)	3156.7 7	0 ⁻ , 1 ⁻ , 2 ⁻
558.5 2	2 ⁺	2525.5 2	1 ⁺ , 2 ⁺	2910.2 3	0 ⁺ , 2 ⁺	3166.8 6	+
1134.4 2	0 ⁺	2554.4 3	0 ⁺ , 3 ⁺	2936.1 5	0 ⁺ , 3 ⁺	3206.0 5	0 ⁺ , 1 ⁺ , 2 ⁺
1210.0 2	1 ⁺ , 2 ⁺	2580.5 3	0 ⁻ , 2 ⁻ , (1 ⁻)	2941.1 3	0 ⁺ , 1 ⁺ , 2 ⁺	3213.4 4	0 ⁻ , 1 ⁻ , 2 ⁻
1305.8 2	0 ⁺	2636.9 3	0 ⁺ , 2 ⁺	2953.6 4	(0 ⁻ , 1 ⁻ , 2 ⁻)	3218.4 2	0 ⁻ , 1 ⁻ , 2 ⁻
1364.6 3	2 ⁺	2650.1 2	0 ⁺ , 1 ⁺ , 2 ⁺	2957.1 5	(0 ⁻ , 1 ⁻ , 2 ⁻)	3232.6 5	0 ⁺ , 1 ⁺ , 2 ⁺
1842.2 2	0 ⁺ , 1 ⁺ , 2 ⁺	2660.8 3	0 ⁺ , 1 ⁺ , 2 ⁺	2999.2 3	0 ⁻ , 1 ⁻ , 2 ⁻	3258.6 5	0 ⁻ , 1 ⁻ , 2 ⁻
1859.7 2	0 ⁺ , (2 ⁺)	2701.3 4	3 ⁺	3002.7 11	+	3264.4 4	0 ⁻ , 1 ⁻ , 2 ⁻
1865.3 3	3 ⁺	2749.7 3	0 ⁺ , 1 ⁺ , 2 ⁺	3052.8 3	0 ⁺ , 1 ⁺ , 2 ⁺	3322.0 3	0 ⁻ , 1 ⁻ , 2 ⁻
1959.1 7	3 ⁻	2788.8 4	2 ⁺ , 1 ⁺	3078.1 3	0 ⁺ , 1 ⁺ , 2 ⁺	3408.7 3	0 ⁻ , 1 ⁻ , 2 ⁻
2048.4 2	1 ⁺ , 2 ⁺	2799.7 5	0 ⁺ , 1 ⁺ , 2 ⁺	3098.7 3	+	3445.6 3	0 ⁻ , 1 ⁻ , 2 ⁻
2205.2 3	3 ⁺	2806.5 4	0 ⁺ , 1 ⁺ , 2 ⁺	3109.0 2	0 ⁻ , 1 ⁻ , 2 ⁻	3462.1 3	0 ⁻ , 1 ⁻ , 2 ⁻
2218.9 2	2 ⁺ , (1 ⁺)	2811.9 4	0 ⁺ , 1 ⁺ , 2 ⁺	3118.0 3	0 ⁺ , 1 ⁺ , 2 ⁺		
2438.0 2	0 ⁺	2828.2 2	0 ⁺ , 1 ⁺ , 2 ⁺	3140.7 5	0 ⁻ , 1 ⁻ , 2 ⁻		

[†] From **1980ScZZ** using S(n)=9043.13 keV 20 (**1979Br25**), except for E(level) <2788, which are from **1984Mh01**.

[‡] Deduced from primary γ ray intensities from average resonance capture.