

^{124}Cd $Z = 48$ $N = 76$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1039.990 (0.003) MeV

Qbeta- = 4.168 (0.031) MeV

	Energy T	J+	J-	J-other	T1/2
124CD 1	0.000	0+			1 1.25 S 2
124CD 2				0.613 (2+)	2
124CD 3				1.385 (4+)	3
124CD 4				1.428 (2+)	4
124CD 5				1.846 (5-)	5
124CD 6				1.915 (2+,3+,4+)	6
124CD 7				1.924	7
124CD 8				1.978 (1,2+)	8
124CD 9				2.140 (6+)	9
124CD 10				2.385 (7-)	10
124CD 11				2.560 (5-,6+)	11
124CD 12				2.674 (8+)	12
124CD 13				2.682 (3-,4,5,6+)	13
124CD 14				2.777 (9-)	14
124CD 15				2.938 (10+)	15
124CD 16				3.664 (12+)	16

S-p = 14.420 (0.033)-----

S-n = 7.357 (0.004)-----

S-2p = 26.661 (0.020)-----

S-2n = 12.230 (0.003)-----

S-alpha= 8.845 (0.003)-----

S+p = -11.002 (0.003)

S+n = -4.720 (0.004)

S+2p = -23.894 (0.011)

S+2n = -11.699 (0.003)

S+alpha = -9.087 (0.018)

gap p = 3.418 (0.033)

gap n = 2.637 (0.005)

gap 2p = 2.768 (0.023)

gap 2n = 0.531 (0.005)

gap alpha = -0.242 (0.018)