

^{120}Cd $Z = 48$ $N = 72$ adopted link ENSDF link

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

BE = 1014.963 (0.004) MeV

Qbeta- = 1.770 (0.040) MeV

	Energy T	J+	J-	J-other	T1/2
120CD 1	0.000	0+			1 50.80 S 21
120CD 2	0.506	2+			2 18.0 PS 21
120CD 3				0.975	3
120CD 4				1.204 (4+)	4 3.5 PS 28
120CD 5				1.323 (7-)	5
120CD 6				1.323 (2+)	6
120CD 7				1.389 (0+)	7 13 PS LT
120CD 8				1.745 (0+)	8 13 PS LT
120CD 9				1.900 (3-)	9
120CD 10				2.034 (6+)	10
120CD 11				2.094	11
120CD 12				2.130	12
120CD 13				2.450	13
120CD 14				2.525	14
120CD 15				2.886 (8+)	15
120CD 16				2.921	16
120CD 17				3.130 (10+)	17
120CD 18				3.329	18
120CD 19				3.424	19
120CD 20				3.501	20
120CD 21				3.536	21
120CD 22				3.550	22
120CD 23				3.559	23
120CD 24				3.746 (12+)	24
120CD 25				3.880	25
120CD 26				4.580 (14+)	26
120CD 27				5.523 (16+)	27

S-p = 12.601 (0.015)-----

S-n = 8.052 (0.038)-----

S-2p = 23.147 (0.004)-----

S-2n = 13.398 (0.020)-----

S-alpha= 6.551 (0.008)-----

S+p = -9.166 (0.028)

S+n = -5.188 (0.004)

S+2p = -20.560 (0.004)

S+2n = -12.798 (0.004)
S+alpha = -6.699 (0.004)

gap p = 3.434 (0.032)
gap n = 2.864 (0.038)
gap 2p = 2.587 (0.006)
gap 2n = 0.601 (0.021)
gap alpha = -0.148 (0.009)