

^{123}Cd $Z = 48$ $N = 75$ adopted link ENSDF link

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

BE = 1032.634 (0.003) MeV

Qbeta- = 6.015 (0.020) MeV

	Energy T	J+	J-	J-other	T1/2
123CD	1			0.000 3/2(+)	1 2.10 S 3
123CD	2			0.116 (1/2+)	2
123CD	3			0.144 11/2(-)	3 1.80 S 3
123CD	4			0.264 (7/2+)	4 80 NS 15
123CD	5			0.410 (5/2+,7/2+)	5
123CD	6			0.464 (5/2+)	6
123CD	7			0.515 (9/2+)	7
123CD	8			0.554 (5/2+)	8
123CD	9			0.591 (5/2+,7/2+)	9
123CD	10			0.672 (5/2+)	10

123CD	11			0.705 (5/2,7/2,9/2)	11
123CD	12			0.744 (5/2+,7/2+)	12
123CD	13			0.807 (15/2-)	13
123CD	14			0.830 (9/2+)	14
123CD	15			0.885 (5/2,7/2,9/2)	15
123CD	16			1.010 (5/2,7/2,9/2)	16
123CD	17			1.061 (5/2,7/2,9/2)	17
123CD	18			1.529 (5/2+,7/2+)	18
123CD	19			1.608 (19/2-)	19
123CD	20			2.240 (5/2+,7/2+,9/2+)	20

123CD	21			2.378 (23/2-)	21
123CD	22			2.601 (5/2+,7/2+,9/2+)	22
123CD	23			2.616 (25/2-)	23
123CD	24			2.787 (5/2+,7/2+,9/2+)	24
123CD	25			2.813 (27/2-)	25
123CD	26			2.902 (5/2+,7/2+)	26
123CD	27			2.910 (5/2+,7/2+)	27
123CD	28			2.969 (29/2-)	28

S-p = 13.597 (0.038)-----

S-n = 4.873 (0.004)-----

S-2p = 25.810 (0.004)-----

S-2n = 12.483 (0.003)-----

S-alpha= 8.432 (0.009)-----

S+p = -10.743 (0.031)

S+n = -7.357 (0.004)

S+2p = -23.057 (0.003)
S+2n = -12.077 (0.004)
S+alpha = -8.480 (0.010)

gap p = 2.855 (0.049)
gap n = -2.483 (0.005)
gap 2p = 2.752 (0.005)
gap 2n = 0.406 (0.005)
gap alpha = -0.048 (0.013)