

^{121}Cd $Z = 48$ $N = 73$ adopted link ENSDF link

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

BE = 1020.151 (0.002) MeV

Qbeta- = 4.761 (0.027) MeV

	Energy T	J+	J-	J-other	T1/2
121CD 1				0.000 (3/2+)	1 13.5 S 3
121CD 2				0.008 (1/2+)	2
121CD 3				0.215 (11/2-)	3 8.3 S 8
121CD 4				0.315 (5/2+,7/2+)	4 19 NS 2
121CD 5				0.330 (9/2-,11/2-)	5 2 NS LT
121CD 6				0.353 (5/2+,7/2+)	6
121CD 7				0.369 (5/2+)	7
121CD 8				0.501 (5/2+,7/2+)	8
121CD 9				0.508 (7/2-,9/2)	9 2 NS LT
121CD 10				0.603	10
121CD 11				0.725	11
121CD 12				0.745	12
121CD 13				0.826 (15/2-)	13
121CD 14				0.880 (7/2-,9/2)	14
121CD 15				0.936	15
121CD 16				0.989	16
121CD 17				1.071 (5/2+)	17
121CD 18				1.096	18
121CD 19				1.118	19
121CD 20				1.171 (5/2+,7/2+)	20
121CD 21				1.192	21
121CD 22				1.208	22
121CD 23				1.234	23
121CD 24				1.241	24
121CD 25				1.244	25
121CD 26				1.249	26
121CD 27				1.341 (7/2-,9/2)	27
121CD 28				1.371	28
121CD 29				1.401	29
121CD 30				1.510 (5/2+,7/2+)	30
121CD 31				1.516	31
121CD 32				1.618	32
121CD 33				1.628 (19/2-)	33
121CD 34				1.686 (5/2+,7/2+)	34
121CD 35				1.812 (5/2+,7/2+)	35
121CD 36				1.824	36
121CD 37				1.841	37

121CD 38				1.908		38
121CD 39				1.926		39
121CD 40				1.989		40

121CD 41				2.035	(21/2-)	41
121CD 42				2.101		42
121CD 43				2.134		43
121CD 44				2.163		44
121CD 45				2.166	(5/2+,7/2+)	45
121CD 46				2.328		46
121CD 47				2.405		47
121CD 48				2.416		48
121CD 49				2.444		49
121CD 50				2.517	(23/2-)	50

121CD 51				2.518	(5/2+,7/2+)	51
121CD 52				2.676		52
121CD 53				2.717		53
121CD 54				2.780	(25/2-)	54
121CD 55				2.798	(5/2+,7/2+,9/2+)	55
121CD 56				2.825	(5/2+,7/2+)	56
121CD 57				2.873	(5/2+,7/2+,9/2+)	57
121CD 58				2.881	(5/2+,7/2+)	58
121CD 59				2.947		59
121CD 60				3.015		60

121CD 61				3.048		61
121CD 62				3.390	(27/2-)	62

S-p = 12.711 (0.005)-----
S-n = 5.188 (0.004)-----
S-2p = 24.245 (0.008)-----
S-2n = 13.239 (0.038)-----
S-alpha= 7.075 (0.008)-----

S+p = -9.786 (0.050)
S+n = -7.610 (0.003)
S+2p = -21.319 (0.003)
S+2n = -12.483 (0.003)
S+alpha = -7.245 (0.002)

gap p = 2.925 (0.050)
gap n = -2.422 (0.005)
gap 2p = 2.926 (0.009)
gap 2n = 0.756 (0.038)
gap alpha = -0.170 (0.008)