

^{115}Cd $Z = 48$ $N = 67$ adopted link ENSDF link

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

BE = 978.733 (0.001) MeV

Qbeta- = 1.452 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
115CD 1	0.000	1/2+			1 53.46 H 5
115CD 2				0.181 (11/2)-	2 44.56 D 24
115CD 3				0.229 (3/2)+	3
115CD 4				0.361 (5/2)+	4
115CD 5				0.389 7/2+,9/2+	5
115CD 6				0.394 (7/2)-	6 0.75 NS 3
115CD 7				0.417 (9/2-)	7
115CD 8				0.473 3/2+,5/2+	8
115CD 9				0.474 (+)	9
115CD 10				0.507 3/2+,5/2+	10
115CD 11	0.649	1/2+			11
115CD 12				0.701 (15/2-)	12
115CD 13				0.720 (5/2-)	13
115CD 14				0.749 3/2+,5/2+	14
115CD 15				0.777 3/2+,5/2+	15
115CD 16	0.803	1/2+			16
115CD 17				0.872 5/2-,7/2-	17
115CD 18				0.896	18
115CD 19	0.963	1/2+			19
115CD 20				1.042 (1/2-,3/2-)	20
115CD 21				1.062 7/2+,9/2+	21
115CD 22				1.085 3/2+,5/2+	22
115CD 23				1.092 (3/2-)	23
115CD 24				1.126	24
115CD 25	1.175	1/2+			25
115CD 26				1.214 5/2-,7/2-	26
115CD 27				1.225	27
115CD 28				1.248 3/2+,5/2+	28
115CD 29				1.260	29
115CD 30				1.317 3/2+,5/2+	30
115CD 31				1.348 (7/2+,9/2+)	31
115CD 32				1.358 3/2+,5/2+	32
115CD 33				1.478 (19/2-)	33
115CD 34				1.486	34
115CD 35				1.544	35
115CD 36				1.574	36
115CD 37				1.597 3/2+,5/2+	37

115CD 38				1.620	(1/2+,3/2+,5/2+)	38
115CD 39				1.725		39
115CD 40				1.742		40

115CD 41				1.818	3/2+,5/2+	41
115CD 42				1.840	(+)	42
115CD 43				1.876	(3/2+,5/2+)	43
115CD 44				1.906		44
115CD 45				1.928	1/2-,3/2-	45
115CD 46				1.954		46
115CD 47				1.976	(+)	47
115CD 48				1.999	1/2-,3/2-	48
115CD 49				2.019	1/2-,3/2-	49
115CD 50				2.078		50

115CD 51				2.113	1/2+,3/2	51
115CD 52				2.155	(21/2+)	52
115CD 53				2.156	(3/2)-	53
115CD 54				2.184		54
115CD 55				2.314	(3/2)-	55
115CD 56				2.384	(3/2)	56
115CD 57				2.397	(23/2-)	57
115CD 58				2.487	(1/2-,3/2)	58
115CD 59				2.494		59
115CD 60				2.527		60

115CD 61				2.569		61
115CD 62				2.602	(25/2+)	62
115CD 63				2.636		63
115CD 64				2.659		64
115CD 65				2.680		65
115CD 66				2.714		66
115CD 67				2.906	1/2-,3/2-	67
115CD 68				3.188	(27/2-)	68
115CD 69				3.262	(29/2+)	69
115CD 70				3.833	(31/2-)	70

S-p = 10.443 (0.005)-----
S-n = 6.141 (0.001)-----
S-2p = 19.072 (0.007)-----
S-2n = 15.184 (0.001)-----
S-alpha= 4.524 (0.001)-----

S+p = -7.454 (0.001)
S+n = -8.699 (0.001)
S+2p = -16.891 (0.001)
S+2n = -14.477 (0.001)
S+alpha = -4.405 (0.001)

gap p = 2.988 (0.005)
gap n = -2.558 (0.001)
gap 2p = 2.181 (0.007)
gap 2n = 0.707 (0.001)
gap alpha = 0.118 (0.001)