

^{103}Cd $Z = 48$ $N = 55$ adopted link ENSDF link

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

BE = 874.445 (0.002) MeV

Qbeta+ = 4.151 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
103CD 1				0.000 (5/2)+	1 7.3 M 1
103CD 2				0.188 (7/2)+	2
103CD 3				0.202 (5/2)+	3
103CD 4				0.392	4
103CD 5				0.570	5
103CD 6				0.726	6
103CD 7				0.740 (9/2)+	7

S-alpha=	0.894 (0.005)				
103CD 8				0.908 (11/2)+	8
103CD 9				0.917	9
103CD 10				1.079	10

103CD 11				1.082	11
103CD 12				1.105 (7/2+,9/2+,11/2+)	12
103CD 13				1.108 (7/2+,9/2+)	13
103CD 14				1.308	14
103CD 15				1.327	15
103CD 16				1.347	16
103CD 17				1.369 (7/2+,9/2+)	17
103CD 18				1.481 (9/2,11/2+)	18
103CD 19				1.513 (13/2+)	19
103CD 20				1.598	20

103CD 21				1.605	21
103CD 22				1.662	22
103CD 23				1.671 (11/2-)	23
103CD 24				1.745	24
103CD 25				1.780	25
103CD 26				1.790	26
103CD 27				1.830 (15/2+)	27
103CD 28				1.903	28
103CD 29				1.920	29
103CD 30				1.972 +	30

103CD 31				1.997	31
103CD 32				2.053 +	32
103CD 33				2.064	33
103CD 34				2.086	34
103CD 35				2.161	35
103CD 36				2.185 (17/2+)	36

103CD	37				2.296		37
103CD	38				2.314	(15/2-)	38
103CD	39				2.343	+	39
103CD	40				2.452	(19/2+)	40 1.3 NS 2

103CD	41				2.503		41
103CD	42				2.571	(21/2+)	42
103CD	43				2.612	(19/2+)	43
103CD	44				2.630		44
103CD	45				2.780	(23/2+)	45
103CD	46				2.781	+	46
103CD	47				2.795	+	47
103CD	48				2.799	(19/2+)	48
103CD	49				2.823	+	49
103CD	50				2.831		50

103CD	51				3.001		51
103CD	52				3.077	(21/2+)	52
103CD	53				3.133	(19/2-)	53
103CD	54				3.253		54
103CD	55				3.493	+	55
103CD	56				3.571	+	56
103CD	57				3.597	(23/2+)	57
103CD	58				3.659	(21/2+)	58
103CD	59				3.767	(25/2+)	59
103CD	60				3.830	+	60

103CD	61				3.884		61
103CD	62				4.001	(23/2-)	62
103CD	63				4.026	(27/2+)	63
103CD	64				4.096	(23/2+)	64
103CD	65				4.353	(27/2+)	65
103CD	66				4.546	(25/2+)	66
103CD	67				4.729	(27/2+)	67
103CD	68				4.779	(29/2+)	68
103CD	69				4.814	(27/2-)	69
103CD	70				4.836	(29/2+)	70

103CD	71				5.042	(29/2+)	71
103CD	72				5.099	(27/2+)	72
103CD	73				5.202	(27/2+)	73
103CD	74				5.231	(31/2)	74
103CD	75				5.372	(29/2+)	75
103CD	76				5.519	(29/2+)	76
103CD	77				5.547	(29/2)+	77
103CD	78				5.571		78
103CD	79				5.588	(29/2+)	79
103CD	80				5.634	(31/2+)	80

S-p	=	5.694	(0.008)	-----		

103CD 81			5.715	(31/2-)	81
103CD 82			5.837	(31/2+)	82
103CD 83			5.838	(31/2+)	83
103CD 84			5.909	(31/2+)	84
103CD 85			5.983	(31/2+)	85
103CD 86			6.045	(31/2+)	86
103CD 87			6.218	(33/2+)	87
103CD 88			6.273		88
103CD 89			6.376	(33/2+)	89
103CD 90			6.463		90

103CD 91			6.489	(35/2+)	91
103CD 92			6.549		92
103CD 93			6.631		93
103CD 94			6.634	(35/2+)	94
103CD 95			6.687	(33/2+)	95
103CD 96			6.772		96
103CD 97			6.778	(35/2-)	97
103CD 98			7.052		98
103CD 99			7.070	(35/2+)	99
103CD 100			7.193		100

103CD 101			7.344		101
103CD 102			7.358		102
103CD 103			7.484		103
103CD 104			7.790		104
103CD 105			8.012	(39/2-)	105
103CD 106			8.261		106
103CD 107			8.556		107
103CD 108			8.610		108
103CD 109			8.622		109
103CD 110			8.775		110

103CD 111			8.861		111
S-n	=	9.063 (0.002)	-----		
103CD 112			9.163		112
103CD 113			9.687		113
103CD 114			9.687		114
103CD 115			9.707	(43/2-)	115
103CD 116			9.725		116

S-p	=	5.694 (0.008)	-----		
S-n	=	9.063 (0.002)	-----		
S-2p	=	9.797 (0.005)	-----		
S-2n	=	20.958 (0.002)	-----		
S-alpha	=	0.894 (0.005)	-----		
S+p	=	-2.820 (0.006)			
S+n	=	-11.388 (0.002)			

S+2p = -7.264 (0.004)
S+2n = -19.825 (0.002)
S+alpha = -0.285 (0.006)

gap p = 2.874 (0.010)
gap n = -2.325 (0.003)
gap 2p = 2.533 (0.007)
gap 2n = 1.133 (0.003)
gap alpha = 0.608 (0.008)