

^{106}Cd $Z = 48$ $N = 58$ adopted link ENSDF link

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

BE = 905.139 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
106CD 1	0.000	0+			1 STABLE
106CD 2	0.633	2+			2 7.27 PS 8
106CD 3	1.494	4+			3 0.87 PS 11
S-alpha= 1.654 (0.001)					
106CD 4	1.717	2+			4 0.31 PS 5
106CD 5	1.795	0+			5
106CD 6	2.105	4+			6 2 PS LE
106CD 7	2.144	0+			7
106CD 8				2.252 (4+)	8
106CD 9				2.254 (2+,3+)	9
106CD 10	2.305	4+			10
106CD 11	2.331	5+			11 0.6 NS 2
106CD 12				2.339 (4+)	12
106CD 13				2.348 (2)+	13
106CD 14	2.371	2+			14
106CD 15			2.378 3-		15
106CD 16				2.468 (4)+	16
106CD 17				2.486 2+,3+,4+	17
106CD 18	2.492	6+			18
106CD 19	2.503	6+			19
106CD 20				2.522 (4,5+)	20
106CD 21	2.561	0+			21
106CD 22	2.566	2+			22
106CD 23			2.629 5-		23 5 PS +4-2
106CD 24	2.630	2+			24
106CD 25				2.718 2+,3	25
106CD 26				2.721 1,2+,3	26
106CD 27				2.825 1	27
106CD 28				2.890 2,3+	28
106CD 29				2.918 1	29
106CD 30			2.920 5-		30
106CD 31	2.925	6+			31
106CD 32				2.934 2+,3+	32
106CD 33				2.936 2+,3+	33
106CD 34				2.973 2,3+,4+	34
106CD 35				3.015 2+,3+	35
106CD 36				3.019 3+, (5)+	36
106CD 37				3.021 2,3+	37

106CD	38	3.044	8+					38	0.39 NS	17
106CD	39					3.060	3	39		
106CD	40					3.073	2,3+,4	40		

106CD	41	3.084	7+					41		
106CD	42					3.093	(2+)	42		
106CD	43					3.094	(8)	43		
106CD	44					3.119	2+,3+,4+	44		
106CD	45					3.120	1	45		
106CD	46	3.126	7+					46		
106CD	47					3.223	1	47		
106CD	48					3.235	2,3+	48		
106CD	49					3.245	(2+)	49		
106CD	50					3.284	+	50		

106CD	51			3.320	6-			51		
106CD	52					3.323	1+,2+,3	52		
106CD	53					3.328	1,2+	53		
106CD	54	3.329	3+					54		
106CD	55	3.354	7+					55		
106CD	56	3.367	8+					56		
106CD	57	3.394	2+					57		
106CD	58			3.410	7-			58		
106CD	59					3.427	2,3+,4+	59		
106CD	60					3.462	(6-)	60		

106CD	61					3.473		61		
106CD	62					3.486	1,2+	62		
106CD	63					3.495	1,2+	63		
106CD	64			3.508	8-			64	1.5 NS	+1-5
106CD	65					3.544	7	65		
106CD	66					3.548	+	66		
106CD	67					3.642	(8+)	67		
106CD	68			3.679	9-			68	0.7 NS	+1-3
106CD	69					3.679	2+,3	69		
106CD	70					3.698	(7-)	70		

106CD	71					3.787		71		
106CD	72					3.902	(10)	72		
106CD	73			4.106	10-			73	4 PS	LE
106CD	74					4.114		74		
106CD	75	4.121	9+					75		
106CD	76					4.180		76		
106CD	77					4.183		77		
106CD	78					4.194		78		
106CD	79					4.244		79		
106CD	80					4.324	11(-)	80		

106CD	81					4.436	10(+)	81		
106CD	82					4.574	10(+)	82		

106CD 83						4.660	12(+)		83	62 NS	6
106CD 84						4.794	(12)		84		
106CD 85		4.816	10+						85		
106CD 86						4.903			86		
106CD 87				4.968	12-				87		
106CD 88						5.131			88		
106CD 89						5.214	13(-)		89	9 PS	LE
106CD 90		5.241	12+						90		

106CD 91						5.252	(13+)		91		
106CD 92		5.419	12+						92		
106CD 93						5.558			93		
106CD 94						5.573			94		
106CD 95		5.624	12+						95		
106CD 96						5.770			96		
106CD 97						5.822	(14)		97		
106CD 98						5.912			98		
106CD 99						5.976	(14-)		99		
106CD 100						5.987			100		

106CD 101						6.101			101		
106CD 102		6.227	14+						102		
106CD 103						6.265	(15-)		103		
106CD 104		6.516	14+						104		
106CD 105						6.858			105		
106CD 106		7.119	16+						106	11 NS	+6-3
106CD 107				7.121	16-				107		

S-p	=	7.350	(0.005)	-----							
106CD 108						7.480			108		
106CD 109				7.518	17-				109		
106CD 110		8.100	18+						110	0.416 PS	35

S-p = 7.350 (0.005)-----
S-n = 10.870 (0.002)-----
S-2p = 12.315 (0.002)-----
S-2n = 19.306 (0.002)-----
S-alpha= 1.654 (0.001)-----

S+p = -3.724 (0.010)
S+n = -7.930 (0.002)
S+2p = -9.516 (0.005)
S+2n = -18.263 (0.002)
S+alpha = -1.135 (0.014)

gap p = 3.627 (0.011)
gap n = 2.940 (0.003)
gap 2p = 2.799 (0.006)
gap 2n = 1.043 (0.003)

gap alpha = 0.519 (0.014)