

^{128}Cd $Z = 48$ $N = 80$ adopted link ENSDF link

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

BE = 1062.814 (0.006) MeV

Qbeta- = 6.952 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
128CD 1	0.000	0+			1 0.28 S 4
128CD 2				0.646 (2+)	2
128CD 3				1.430 (4+)	3
128CD 4				1.870 (5-)	4 270 NS 7
128CD 5				2.097	5
128CD 6				2.108 (7-)	6 12 NS 2
128CD 7				2.195 (6+)	7
128CD 8				2.646 (8+)	8
128CD 9				2.715 (10+)	9 3.56 US 6
128CD 10				2.893	10
128CD 11				3.083	11
128CD 12				3.291	12

S-p = 15.826 (0.254)-----
 S-n = 6.568 (0.009)-----
 S-2p = 29.992 (0.378)-----
 S-2n = 11.125 (0.007)-----
 S-alpha= 11.271 (0.248)-----

S+p = -12.886 (0.007)
 S+n = -3.955 (0.008)
 S+2p = -27.472 (0.007)
 S+2n = -10.022 (0.023)
 S+alpha = -11.733 (0.007)

gap p = 2.941 (0.254)
 gap n = 2.613 (0.012)
 gap 2p = 2.520 (0.378)
 gap 2n = 1.103 (0.024)
 gap alpha = -0.463 (0.248)