

$^{122}\text{Cd}$        $Z = 48$        $N = 74$       adopted link      ENSDF link

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

BE = 1027.760 ( 0.002) MeV

Qbeta- = 2.959 ( 0.050) MeV

	Energy T	J+	J-	J-other	T1/2
122CD 1	0.000	0+			1 5.24 S 3
122CD 2	0.569	2+			2 10 PS 5
122CD 3				0.915	3
122CD 4				1.329 (4+)	4
122CD 5				1.368 (2)+	5
122CD 6				1.705 0(+)	6
122CD 7				1.909 (3-)	7
122CD 8				1.979 (3,4+)	8
122CD 9				1.992 0(+)	9
122CD 10				2.178 (6+)	10
122CD 11				2.197	11
122CD 12				2.316	12
122CD 13				2.445	13
122CD 14				2.503	14
122CD 15				2.536	15
122CD 16				2.577	16
122CD 17				2.645	17
122CD 18				2.668	18
122CD 19				2.800	19
122CD 20				2.823 (8+)	20
122CD 21				3.062 (8+)	21
122CD 22				3.170	22

S-p = 13.498 ( 0.012)-----

S-n = 7.610 ( 0.003)-----

S-2p = 24.911 ( 0.003)-----

S-2n = 12.798 ( 0.004)-----

S-alpha= 7.649 ( 0.003)-----

S+p = -10.106 ( 0.020)

S+n = -4.873 ( 0.004)

S+2p = -22.197 ( 0.003)

S+2n = -12.230 ( 0.003)

S+alpha = -7.828 ( 0.011)

gap p = 3.393 ( 0.023)

gap n = 2.737 ( 0.005)

gap 2p = 2.714 ( 0.004)  
gap 2n = 0.568 ( 0.006)  
gap alpha = -0.179 ( 0.011)