

^{126}Cd $Z = 48$ $N = 78$ adopted link ENSDF link

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

BE = 1051.689 (0.002) MeV

Qbeta- = 5.554 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
126CD	1 0.000	0+			1 0.514 S 8
126CD	2			0.652 (2+)	2 8.9 PS +27-17
126CD	3			1.467 (4+)	3
126CD	4			1.579 (2+)	4
126CD	5			1.735	5
126CD	6			1.803	6
126CD	7			1.869 (5-)	7
126CD	8			1.944	8
126CD	9			1.951	9
126CD	10			2.121	10
126CD	11			2.206	11
126CD	12			2.245	12
126CD	13			2.323	13
126CD	14			2.469	14
126CD	15			2.545	15
126CD	16			2.584	16
126CD	17			2.606	17
126CD	18			2.611	18
126CD	19			2.629	19
126CD	20			2.661	20
126CD	21			2.666	21
126CD	22			2.695	22
126CD	23			2.730	23
126CD	24			2.730	24
126CD	25			2.758	25
126CD	26			2.758	26
126CD	27			2.778	27
126CD	28			2.835	28
126CD	29			2.844	29
126CD	30			2.879	30
126CD	31			2.930	31
126CD	32			2.977	32
126CD	33			2.978	33

S-p = 15.025 (0.433)

S-n = 6.979 (0.004)

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S-2p = 28.441 ( 0.248)-----  
S-2n = 11.699 ( 0.003)-----  
S-alpha= 10.064 ( 0.020)-----  
  
S+p = -11.913 ( 0.010)  
S+n = -4.557 ( 0.007)  
S+2p = -25.684 ( 0.018)  
S+2n = -11.125 ( 0.007)  
S+alpha = -10.302 ( 0.003)  
  
gap p = 3.111 ( 0.433)  
gap n = 2.422 ( 0.008)  
gap 2p = 2.757 ( 0.249)  
gap 2n = 0.574 ( 0.008)  
gap alpha = -0.237 ( 0.020)
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