

$^{101}\text{Cd}$        $Z = 48$        $N = 53$       adopted link      ENSDF link

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

BE = 853.487 ( 0.001) MeV

Qbeta+ = 5.498 ( 0.005) MeV

	Energy T	J+	J-	J-other	T1/2
101CD 1				0.000 (5/2+)	1 1.36 M 5
101CD 2				0.252 (7/2+)	2
S-alpha= 0.455 ( 0.005)-----					
101CD 3				0.891 (9/2+)	3
101CD 4				1.144 (11/2+)	4
101CD 5				1.673 (13/2+)	5
101CD 6				1.799 (15/2+)	6
101CD 7				2.128 (15/2+)	7
101CD 8				2.285 (19/2+)	8 4.6 NS 4
101CD 9				2.301 (17/2+)	9
101CD 10				2.404	10
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101CD 11				2.480 (19/2+)	11
101CD 12				2.638 (21/2+)	12
101CD 13				2.918	13
101CD 14				3.034	14
101CD 15				3.062 (21/2)	15
101CD 16				3.398 (23/2+)	16
101CD 17				3.561 (23/2+)	17
101CD 18				3.657	18
101CD 19				3.701 (23/2)	19
101CD 20				3.718	20
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101CD 21				3.740 (25/2+)	21
101CD 22				3.991 (25/2)	22
101CD 23				4.062 (27/2)	23
101CD 24				4.217	24
101CD 25				4.289 (25/2+)	25
101CD 26				4.381	26
101CD 27				4.504 (27/2)	27
101CD 28				4.688	28
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S-p =	4.987 ( 0.005)				
101CD 29				5.039 (27/2,29/2)	29
101CD 30				5.128 (29/2)	30
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101CD 31				5.613 (29/2)	31
101CD 32				6.014	32
101CD 33				6.077 (31/2)	33
101CD 34				6.105 (31/2)	34
101CD 35				6.131	35

101CD	36				6.263	(31/2)	36
101CD	37				6.363	(33/2)	37
101CD	38				6.532	(33/2)	38
101CD	39				6.825	(35/2)	39
101CD	40				7.100	(37/2)	40
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101CD	41				7.179	(35/2)	41

S-p = 4.987 ( 0.005)-----  
 S-n = 9.713 ( 0.002)-----  
 S-2p = 8.231 ( 0.005)-----  
 S-2n = 22.048 ( 0.002)-----  
 S-alpha= 0.455 ( 0.005)-----

S+p = -2.148 ( 0.005)  
 S+n = -11.895 ( 0.002)  
 S+2p = -5.842 ( 0.103)  
 S+2n = -20.958 ( 0.002)  
 S+alpha = 0.074 ( 0.004)

gap p = 2.840 ( 0.007)  
 gap n = -2.181 ( 0.003)  
 gap 2p = 2.389 ( 0.103)  
 gap 2n = 1.090 ( 0.003)  
 gap alpha = 0.529 ( 0.007)