

^{101}Pd $Z = 46$ $N = 55$ adopted link ENSDF link

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

BE = 864.647 (0.005) MeV

Qbeta+ = 1.980 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
101PD 1	0.000	5/2+			1 8.47 H 6
101PD 2				0.080 (3/2)+	2 4.8 NS 5
101PD 3	0.261	7/2+			3
101PD 4				0.275 (7/2,9/2+)	4
101PD 5	0.400	1/2+			5
101PD 6				0.588 (7/2+)	6
101PD 7				0.600 3/2+,5/2+	7
101PD 8				0.624 (7/2+)	8
101PD 9	0.667	9/2+			9
101PD 10	0.730	1/2+			10
101PD 11				0.735 (7/2+)	11
101PD 12				0.745	12
101PD 13	0.939	11/2+			13
101PD 14				0.980 3/2+,5/2+	14
101PD 15				1.082 3/2+,5/2+	15
101PD 16				1.174 (7/2+)	16
101PD 17				1.199	17
101PD 18				1.205 (7/2+)	18
101PD 19				1.250 3/2+,5/2+	19
101PD 20				1.266 (11/2+)	20
101PD 21			1.337 11/2-		21
101PD 22	1.380	1/2+			22
101PD 23	1.403	13/2+			23
101PD 24				1.535 (7/2+)	24
101PD 25				1.561 (7/2+,9/2+,11/2+)	25
101PD 26				1.615	26
S-alpha=	1.737 (0.005)				
101PD 27	1.817	15/2+			27
101PD 28				1.824	28
101PD 29			1.893 15/2-		29
101PD 30				1.933	30
101PD 31				1.982	31
101PD 32				2.042 (7/2+,9/2+,11/2)	32+
101PD 33				2.050 1/2-,3/2-	33
101PD 34				2.063 (15/2+)	34
101PD 35				2.141 (15/2+)	35
101PD 36	2.207	17/2+			36

101PD 37				2.220	(7/2+,9/2+)	37
101PD 38				2.221	7/2+,9/2,11/2-	38
101PD 39				2.245	(13/2)	39
101PD 40				2.265	(7/2+,9/2+,11/2+	40)

101PD 41				2.290	1/2-,3/2-	41
101PD 42				2.291	(17/2)	42
101PD 43				2.300		43
101PD 44		2.393	9/2+			44
101PD 45						45
101PD 46			2.641	19/2-		46
101PD 47				2.641	(7/2+,9/2+,11/2+	47)
101PD 48		2.721	19/2+			48
101PD 49				2.803		49
101PD 50		2.865	21/2+			50

101PD 51				2.891		51
101PD 52				2.896	(7/2+,9/2+,11/2+	52)
101PD 53				2.960	(7/2+,9/2+,11/2+	53)
101PD 54				2.983	(17/2-)	54
101PD 55				3.035		55
101PD 56				3.227	(21/2+)	56
101PD 57				3.305	(7/2+,9/2+,11/2+	57)
101PD 58				3.327	(19/2-)	58
101PD 59				3.404	(7/2+,9/2+,11/2+	59)
101PD 60			3.532	23/2-		60

101PD 61				3.625	(23/2)+	61
101PD 62		3.812	25/2+			62
101PD 63			4.443	27/2-		63
101PD 64				4.896	(29/2+)	64
101PD 65				5.415	(31/2-)	65
101PD 66				6.488		66

S-p = 7.130 (0.019)-----
S-n = 8.291 (0.018)-----
S-2p = 12.385 (0.005)-----
S-2n = 19.392 (0.007)-----
S-alpha= 1.737 (0.005)-----

S+p = -4.103 (0.009)
S+n = -10.542 (0.005)
S+2p = -9.797 (0.005)
S+2n = -18.167 (0.005)
S+alpha = -1.327 (0.005)

gap p = 3.027 (0.021)
gap n = -2.251 (0.019)
gap 2p = 2.587 (0.007)

gap 2n = 1.224 (0.008)
gap alpha = 0.410 (0.007)