

^{112}Pd $Z = 46$ $N = 66$ adopted link ENSDF link

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

BE = 954.321 (0.007) MeV

Qbeta- = 0.263 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
112PD 1	0.000	0+			1 21.04 H 17
112PD 2	0.349	2+			2 84 PS 14
112PD 3	0.737	2+			3
112PD 4	0.883	4+			4
112PD 5				0.924 1,2+	5
112PD 6	1.096	3+			6
112PD 7	1.125	0+			7
112PD 8				1.140 (0,1,2)+	8
112PD 9				1.362 (4+)	9
112PD 10	1.403	2+			10
112PD 11	1.423	2+			11
112PD 12	1.550	6+			12
112PD 13				1.715 (3,4+)	13
112PD 14				1.747 (1,2+)	14
112PD 15				1.759 (5+)	15
112PD 16				1.774 (1,2+)	16
112PD 17				1.887 (4+)	17
112PD 18				1.952 (3,4+)	18
112PD 19				2.003 (6+)	19
112PD 20				2.036 (2-,3,4+)	20
112PD 21				2.107 (1,2+)	21
112PD 22				2.158 (3,4,5+)	22
112PD 23				2.195 (4)-	23
112PD 24				2.201 (5,6+)	24
112PD 25				2.269 (5-)	25
112PD 26	2.318	8+			26
112PD 27				2.334 (5,6+)	27
112PD 28				2.354 (4,5+)	28
112PD 29				2.357 (1,2+)	29
112PD 30				2.395 (5+)	30
112PD 31				2.431 (5,6+)	31
112PD 32				2.432 (1,2+)	32
112PD 33				2.441 (5,6+)	33
112PD 34				2.466 (1,2+)	34
112PD 35				2.483 (7+)	35
112PD 36				2.497 (0+,1,2)	36
112PD 37				2.510 (1,2+)	37

112PD 38						2.540	(0+,1,2)	38
112PD 39						2.543	(5+)	39
112PD 40						2.579	(6-)	40

112PD 41						2.604	(0+,1,2)	41
112PD 42						2.615	(6-)	42
112PD 43						2.630	(5,6,7)	43
112PD 44						2.639	(8+)	44
112PD 45						2.665	(1,2+)	45
112PD 46						2.688	(0+,1,2)	46
112PD 47						2.691	(8+)	47
112PD 48						2.704	(7-)	48
112PD 49						2.711	(7-)	49
112PD 50						2.747	(1,2+)	50

112PD 51		2.755	5+					51
112PD 52						2.770	(0+,1,2)	52
112PD 53						2.796	(0+,1,2)	53
112PD 54						2.836	(0+,1,2)	54
112PD 55						2.899	(8-)	55
112PD 56						2.967	(5,6+)	56
112PD 57						2.977	(0+,1,2)	57
112PD 58						3.014	(0+,1,2)	58
112PD 59						3.043	(5,6)	59
112PD 60						3.046	(8-)	60

112PD 61		3.050	10+					61
112PD 62						3.085	(9+)	62
112PD 63						3.137	(9-)	63
112PD 64						3.175		64
112PD 65						3.226	(0+,1,2)	65
112PD 66						3.261		66
112PD 67						3.265	(9-)	67
112PD 68						3.327	(10+)	68
112PD 69						3.338	(0+,1,2)	69
112PD 70						3.447	(10-)	70

112PD 71						3.598	(12+)	71
112PD 72						3.626	(11+)	72
112PD 73						3.655	(10-)	73
112PD 74						3.745	(11-)	74
112PD 75						3.760	(5,6+)	75
112PD 76						3.772	(5,6+)	76
112PD 77						3.794	(5,6+)	77
112PD 78						3.940	(5,6+)	78
112PD 79						3.951	(11-)	79
112PD 80						4.046		80

112PD 81						4.086		81
112PD 82						4.117	(12-)	82

112PD	83				4.322	(14+)	83
112PD	84				4.328	(13+)	84
112PD	85				4.391	(12-)	85
112PD	86				4.478	(13-)	86
112PD	87				4.748	(13-)	87
112PD	88				4.931		88
S-alpha=	5.085	(0.011)	-----				
112PD	89				5.222	(16+)	89

S-p = 11.306 (0.009)-----
 S-n = 8.406 (0.007)-----
 S-2p = 20.826 (0.011)-----
 S-2n = 14.133 (0.007)-----
 S-alpha= 5.085 (0.011)-----

S+p = -7.995 (0.018)
 S+n = -5.341 (0.010)
 S+2p = -18.272 (0.007)
 S+2n = -13.312 (0.010)
 S+alpha = -4.816 (0.007)

gap p = 3.311 (0.020)
 gap n = 3.066 (0.012)
 gap 2p = 2.555 (0.013)
 gap 2n = 0.821 (0.012)
 gap alpha = 0.268 (0.013)