

^{108}Pd $Z = 46$ $N = 62$ adopted link ENSDF link

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

BE = 925.239 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
108PD 1	0.000	0+			1 STABLE
108PD 2	0.434	2+			2 23.9 PS 7
108PD 3	0.931	2+			3 6.2 PS 4
108PD 4	1.048	4+			4 2.8 PS 3
108PD 5	1.053	0+			5 4.0 PS 4
108PD 6	1.314	0+			6 25 PS GT
108PD 7	1.335	3+			7
108PD 8	1.441	2+			8 4.8 PS +12-10
108PD 9				1.540 (1+,2+)	9
108PD 10				1.624 (4+)	10 1.69 PS 20
108PD 11	1.771	6+			11 0.88 PS 10
108PD 12	1.956	4+			12 4.7 PS 18
108PD 13				1.990 (4+)	13
108PD 14				2.015	14
108PD 15			2.047 3-		15 1 PS LT
108PD 16	2.084	5+			16
108PD 17				2.099 (1,2+)	17
108PD 18				2.141 (0+)	18
108PD 19	2.218	2+			19
108PD 20				2.231	20
108PD 21	2.259	6+			21
108PD 22				2.281	22
108PD 23				2.282	23
108PD 24				2.283	24
108PD 25			2.324 5-		25
108PD 26				2.362 (2+)	26
108PD 27	2.391	2+			27
108PD 28				2.397 (8+)	28
108PD 29				2.404	29
108PD 30				2.418	30
108PD 31				2.421 (6+)	31 1.01 PS +43-10
108PD 32	2.466	4+			32
108PD 33				2.472	33
108PD 34				2.478 (2+)	34
108PD 35				2.528	35
108PD 36				2.530	36
108PD 37				2.531 4-,5-	37
108PD 38				2.536	38

108PD	39	2.540	4+					39
108PD	40	2.548	8+					40 0.44 PS 5

108PD	41					2.578		41
108PD	42	2.637	4+					42
108PD	43					2.671	(5+)	43
108PD	44					2.691	(5-)	44
108PD	45					2.709	6(-)	45
108PD	46	2.720	2+					46
108PD	47			2.761	7-			47
108PD	48					2.790		48
108PD	49			2.842	7-			49
108PD	50					2.864	(4+,5+,6+)	50

108PD	51					2.888		51
108PD	52					2.919	(7+)	52
108PD	53					2.940		53
108PD	54					2.954	(8+)	54
108PD	55					2.969	4-,5-	55
108PD	56					3.050		56
108PD	57					3.089	8(-)	57
108PD	58					3.100	8(-)	58
108PD	59					3.111	(7+)	59
108PD	60					3.140		60

108PD	61	3.257	10+					61
108PD	62			3.280	9-			62
108PD	63					3.287		63
108PD	64	3.351	10+					64
108PD	65			3.420	9-			65
108PD	66					3.424		66
108PD	67					3.727	10(-)	67
108PD	68					3.749	(9+)	68
108PD	69					3.790	(10+)	69
108PD	70					3.794	10(-)	70

108PD	71	3.798	12+					71

S-alpha= 3.853 (0.003)-----								
108PD	72					3.859		72
108PD	73			3.964	11-			73
108PD	74					4.120	(11)	74
108PD	75	4.159	12+					75
108PD	76			4.195	11-			76
108PD	77					4.378	(11)	77
108PD	78					4.493	12(-)	78
108PD	79					4.529	(11+)	79
108PD	80	4.642	14+					80

108PD	81					4.684	(12-)	81
108PD	82					4.711	(13)	82

108PD	83				4.778	(13-)	83
108PD	84		4.977				84
108PD	85				5.132		85
108PD	86				5.326	(14-)	86
108PD	87				5.371	(13+)	87
108PD	88				5.608		88
108PD	89				5.632	(15-)	89
108PD	90		5.692				90

108PD	91				6.225	(16-)	91
108PD	92				6.517	(17-)	92
108PD	93		6.828				93

S-p = 9.950 (0.012)-----
 S-n = 9.223 (0.002)-----
 S-2p = 17.779 (0.006)-----
 S-2n = 15.759 (0.002)-----
 S-alpha= 3.853 (0.003)-----

S+p = -6.484 (0.002)
 S+n = -6.154 (0.002)
 S+2p = -15.402 (0.001)
 S+2n = -14.949 (0.001)
 S+alpha = -3.476 (0.001)

gap p = 3.465 (0.012)
 gap n = 3.069 (0.002)
 gap 2p = 2.377 (0.006)
 gap 2n = 0.810 (0.002)
 gap alpha = 0.378 (0.003)