

^{107}Pd $Z = 46$ $N = 61$ adopted link ENSDF link

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

BE = 916.016 (0.001) MeV

Qbeta- = 0.034 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
107PD 1	0.000	5/2+			1 6.5E+6 Y 3
107PD 2	0.116	1/2+			2 0.85 US 10
107PD 3			0.215 11/2-		3 21.3 S 5
107PD 4	0.303	5/2+			4
107PD 5	0.312	7/2+			5
107PD 6				0.348	6
107PD 7	0.367	7/2+			7
107PD 8	0.382	3/2+			8
107PD 9	0.392	7/2+			9
107PD 10	0.412	1/2+			10
107PD 11				0.471 (3/2)+	11
107PD 12	0.568	5/2+			12
107PD 13	0.670	5/2+			13
107PD 14				0.685	14
107PD 15			0.687 15/2-		15
107PD 16	0.696	1/2+			16
107PD 17	0.696	9/2+			17
107PD 18				0.759 (3/2+)	18
107PD 19				0.781 1/2-,3/2-	19
107PD 20				0.809 (5/2+)	20
107PD 21	0.889	1/2+			21
107PD 22	0.955	11/2+			22
107PD 23				1.023 3/2+,5/2+	23
107PD 24				1.063 (13/2-)	24
107PD 25				1.071 (5/2+)	25
107PD 26				1.102 (7/2+)	26
107PD 27				1.113 3/2+,5/2+	27
107PD 28	1.120	1/2+			28
107PD 29				1.148	29
107PD 30				1.160 3/2+,5/2+	30
107PD 31	1.167	1/2+			31
107PD 32				1.214 3/2+,5/2+	32
107PD 33				1.221 7/2+,9/2+	33
107PD 34				1.267 3/2+,5/2+	34
107PD 35	1.340	13/2+			35
107PD 36				1.347 7/2+,9/2+	36
107PD 37				1.353 3/2+,5/2+	37

107PD 38		1.374	13/2+					38
107PD 39						1.402	3/2+,5/2+	39
107PD 40					1.443	19/2-		40

107PD 41						1.451		41
107PD 42						1.472	(3/2-)	42
107PD 43		1.509	1/2+					43
107PD 44						1.532	1/2-,3/2-	44
107PD 45						1.539	3/2+,5/2+	45
107PD 46						1.572	5/2-,7/2-	46
107PD 47						1.590	3/2+,5/2+	47
107PD 48						1.615	3/2+,5/2+	48
107PD 49		1.670	1/2+					49
107PD 50		1.676	15/2+					50

107PD 51						1.702	(5/2-,7/2-)	51
107PD 52						1.742	(15/2+)	52
107PD 53						1.763	(15/2)+	53
107PD 54						1.790	1/2-,3/2-	54
107PD 55						1.866	3/2+,5/2+	55
107PD 56						1.879	3/2+,5/2+	56
107PD 57						1.954		57
107PD 58						1.987	5/2-,7/2-	58
107PD 59						2.006	5/2-,7/2-	59
107PD 60		2.014	1/2+					60

107PD 61						2.072	3/2+,5/2+	61
107PD 62		2.119	1/2+					62
107PD 63		2.146	17/2+					63
107PD 64						2.173	3/2+,5/2+	64
107PD 65						2.220	5/2-,7/2-	65
107PD 66						2.257	1/2-,3/2-	66
107PD 67		2.276	1/2+					67
107PD 68						2.283	3/2+,5/2+	68
107PD 69						2.323	5/2-,7/2-	69
107PD 70						2.336	5/2-,7/2-	70

107PD 71					2.348	23/2-		71
107PD 72		2.373	19/2+					72
107PD 73						2.377	1/2-,3/2-	73
107PD 74						2.412	5/2-,7/2-	74
107PD 75						2.491		75
107PD 76						2.516	1/2-,3/2-	76
107PD 77		2.557	21/2+					77
107PD 78						2.678	1/2-,3/2-	78
107PD 79						2.729	1/2-,3/2-	79
107PD 80						2.751	1/2-,3/2-	80

107PD 81						2.776	1/2-,3/2-	81
107PD 82						2.799	5/2-,7/2-	82

107PD 83						2.812	5/2-,7/2-	83
107PD 84						2.832	1/2-,3/2-	84
107PD 85						2.875	5/2-,7/2-	85
107PD 86		2.888	23/2+					86
107PD 87		3.009	25/2+					87
107PD 88		3.049	23/2+					88
107PD 89					3.305	27/2-		89
107PD 90		3.505	27/2+					90

S-alpha=		3.530	(0.001)	-----				
107PD 91		3.700	27/2+					91
107PD 92		3.709	29/2+					92
107PD 93					4.251	31/2-		93
107PD 94		4.336	31/2+					94
107PD 95		4.562	31/2+					95
107PD 96		4.736	33/2+					96
107PD 97					5.234	35/2-		97
107PD 98							5.439 (35/2+)	98
107PD 99							5.603 (35/2+)	99
107PD 100							6.344 (39/2-)	100

S-n	=	6.536	(0.002)	-----				
107PD 101							6.731 (39/2+)	101
107PD 102							7.637 (43/2-)	102
107PD 103							9.083 (47/2-)	103

S-p	=	9.299	(0.006)	-----				
S-n	=	6.536	(0.002)	-----				
S-2p	=	17.016	(0.003)	-----				
S-2n	=	16.097	(0.002)	-----				
S-alpha=		3.530	(0.001)	-----				
S+p	=	-6.523	(0.003)					
S+n	=	-9.223	(0.002)					
S+2p	=	-14.710	(0.002)					
S+2n	=	-15.377	(0.002)					
S+alpha	=	-3.304	(0.001)					
gap p	=	2.776	(0.006)					
gap n	=	-2.687	(0.002)					
gap 2p	=	2.306	(0.003)					
gap 2n	=	0.721	(0.002)					
gap alpha	=	0.226	(0.002)					