

^{118}Pd $Z = 46$ $N = 72$ adopted link ENSDF link

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

BE = 991.816 (0.002) MeV

Qbeta- = 4.165 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
118PD 1	0.000	0+			1 1.9 S 1
118PD 2				0.379 (2+)	2
118PD 3				0.813 (2+)	3
118PD 4				0.953 (4+)	4
118PD 5				1.020 (0+)	5
118PD 6				1.183 (3+)	6
118PD 7				1.462 (4+)	7
118PD 8				1.671 (6+)	8
118PD 9				1.824	9
118PD 10				1.855 (5+)	10
118PD 11				1.871 (4-)	11
118PD 12				1.990 (5-)	12
118PD 13				2.083	13
118PD 14				2.480 (7-)	14
118PD 15				2.493 (8+)	15
118PD 16				2.543 (6-)	16
118PD 17				2.622	17
118PD 18				3.030 (9-)	18
118PD 19				3.091	19
118PD 20				3.302	20

S-p = 13.781 (0.009)-----
 S-n = 7.036 (0.008)-----
 S-2p = 25.897 (0.004)-----
 S-2n = 11.700 (0.008)-----
 S-alpha= 7.592 (0.004)-----

S+p = -10.546 (0.015)
 S+n = -4.090 (0.009)
 S+2p = -23.147 (0.004)
 S+2n = -11.034 (0.003)
 S+alpha = -7.649 (0.003)

gap p = 3.234 (0.018)
 gap n = 2.946 (0.012)
 gap 2p = 2.750 (0.006)
 gap 2n = 0.666 (0.008)

gap alpha = -0.057 (0.006)