

$^{120}\text{Pd}$        $Z = 46$        $N = 74$       adopted link      ENSDF link

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

BE = 1002.850 ( 0.002) MeV

Qbeta- = 5.372 ( 0.005) MeV

	Energy T	J+	J-	J-other	T1/2
120PD 1	0.000	0+			1 492 MS 33
120PD 2				0.438 (2+)	2
120PD 3				1.056 (4+)	3
120PD 4				1.794 (6+)	4
120PD 5				2.589 (8+)	5
120PD 6				3.414	6
120PD 7				3.470	7

S-p = 14.746 ( 0.010)-----

S-n = 6.944 ( 0.009)-----

S-2p = 27.816 ( 0.236)-----

S-2n = 11.034 ( 0.003)-----

S-alpha= 8.636 ( 0.004)-----

S+p = -11.412 ( 0.012)

S+n = -3.974 ( 0.004)

S+2p = -24.911 ( 0.003)

S+2n = -10.479 ( 0.020)

S+alpha = -8.845 ( 0.003)

gap p = 3.334 ( 0.016)

gap n = 2.970 ( 0.009)

gap 2p = 2.905 ( 0.236)

gap 2n = 0.555 ( 0.020)

gap alpha = -0.209 ( 0.006)