

^{124}Pd $Z = 46$ $N = 78$ adopted link ENSDF link

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

BE = 1023.248 (-0.248) MeV

Qbeta- = 7.837 (0.353) MeV

	Energy T	J+	J-	J-other	T1/2
124PD 1	0.000	0+			1 38 MS +38-19
124PD 2				0.590 (2+)	2
124PD 3				1.300 (4+)	3

S-p = 16.493 (-0.445)-----
 S-n = 6.034 (-0.827)-----
 S-2p = 31.144 (-0.547)-----
 S-2n = 9.919 (-0.249)-----
 S-alpha= 11.072 (-0.437)-----

S+p = -13.416 (-0.499)
 S+n = -3.627 (-0.450)
 S+2p = -28.441 (-0.248)
 S+2n = -9.574 (-0.452)
 S+alpha = -11.271 (-0.248)

gap p = 3.077 (0.668)
 gap n = 2.407 (0.942)
 gap 2p = 2.703 (0.601)
 gap 2n = 0.345 (0.516)
 gap alpha = -0.198 (0.503)