

^{159}Nd $Z = 60$ $N = 99$ adopted link ENSDF link

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

BE = 1286.123 (0.030) MeV

Qbeta- = 6.830 (0.031) MeV

	Energy T	J+	J-	J-other	T1/2
159ND	1			0.000 (7/2+)	1 0.485 S +39-20

S-p = 12.801 (0.317)-----

S-n = 3.960 (0.030)-----

S-2p = 24.314 (0.472)-----

S-2n = 9.373 (0.030)-----

S-alpha= 4.342 (0.311)-----

S+p = -10.460 (0.030)

S+n = -5.072 (0.055)

S+2p = -21.526 (0.031)

S+2n = -8.639 (0.323)

S+alpha = -3.301 (0.031)

gap p = 2.341 (0.319)

gap n = -1.112 (0.063)

gap 2p = 2.788 (0.473)

gap 2n = 0.733 (0.325)

gap alpha = 1.042 (0.313)