

$^{158}\text{Nd}$        $Z = 60$        $N = 98$       adopted link      ENSDF link

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

BE = 1282.163 ( 0.001) MeV

Qbeta- = 5.271 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
158ND	1   0.000	0+			1 0.820 S +15-36
158ND	2			0.066 (2+)	2
158ND	3			0.218 (4+)	3
158ND	4			0.451 (6+)	4
158ND	5			1.648 (6-)	5 339 NS 20

S-p = 12.689 ( 0.003)-----

S-n = 5.412 ( 0.003)-----

S-2p = 23.555 ( 0.312)-----

S-2n = 9.776 ( 0.002)-----

S-alpha= 4.003 ( 0.154)-----

S+p = -10.008 ( 0.010)

S+n = -3.960 ( 0.030)

S+2p = -20.976 ( 0.002)

S+2n = -9.032 ( 0.047)

S+alpha = -2.969 ( 0.004)

gap p = 2.681 ( 0.011)

gap n = 1.452 ( 0.030)

gap 2p = 2.579 ( 0.312)

gap 2n = 0.744 ( 0.047)

gap alpha = 1.034 ( 0.154)