

^{152}Yb $Z = 70$ $N = 82$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1218.346 (0.150) MeV

Qbeta+ = 5.450 (0.159) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-2.784 (0.150)	-----			
152YB 1	0.000	0+			1 3.03 S 6
152YB 2	1.531	2+			2
152YB 3				1.890 (3)-	3
152YB 4				2.203 (5)-	4
152YB 5				2.550 (7)-	5
152YB 6				2.690 (8)+	6
152YB 7				2.744 (10+)	7 30 US 1

S-p = 2.787 (0.151)-----

S-n = 12.799 (0.336)-----

S-2p = 3.017 (0.151)-----

S-2n = 0.000 (0.000)-----

S-alpha= -2.784 (0.150)-----

S+p = 0.609 (0.212)

S+n = 0.000 (0.000)

S+2p = 0.000 (0.000)

S+2n = -19.804 (0.151)

S+alpha = 6.028 (0.212)

gap p = 3.395 (0.260)

gap n = 0.000 (0.000)

gap 2p = 0.000 (0.000)

gap 2n = 0.000 (0.000)

gap alpha = 3.245 (0.260)