

^{178}Yb $Z = 70$ $N = 108$ [link to full NNDC output](#)

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

BE = 1431.626 (0.010) MeV

Qbeta- = 0.642 (0.010) MeV

	Energy T	J+	J-	J-other	T1/2
178YB 1	0.000	0+			1 74 M 3
178YB 2	0.084	2+			2
178YB 3	0.278	4+			3
178YB 4				0.578 (6+)	4
178YB 5				0.981 (8+)	5
178YB 6				1.221 (2+)	6
178YB 7	1.315	0+			7
178YB 8				1.335	8
178YB 9				1.387 (2+)	9
178YB 10	1.404	2+			10
178YB 11				1.436	11
178YB 12				1.484 (10+)	12
178YB 13				1.559 (4+)	13
178YB 14				1.705	14
178YB 15				1.813	15
178YB 16				1.869	16
178YB 17				1.969	17
178YB 18				2.080 (12+)	18
178YB 19				2.111	19
178YB 20				2.131 (4+,5-)	20
178YB 21				2.351	21
178YB 22				2.371	22
178YB 23				2.390 (4+)	23
178YB 24				2.405	24
178YB 25				2.690 (4+)	25
178YB 26				2.770 (14+)	26
178YB 27			2.899 3-		27
178YB 28				2.996 (4+)	28
178YB 29			3.037 1-		29

S-p = 0.000 (0.000)-----

S-n = 6.780 (0.010)-----

S-2p = 0.000 (0.000)-----

S-2n = 12.347 (0.010)-----

S-alpha= 0.000 (0.000)-----

S+p = -6.652 (0.011)

S+n = 0.000 (0.000)
S+2p = -14.662 (0.010)
S+2n = 0.000 (0.000)
S+alpha = 1.221 (0.012)

gap p = 0.000 (0.000)
gap n = 0.000 (0.000)
gap 2p = 0.000 (0.000)
gap 2n = 0.000 (0.000)
gap alpha = 0.000 (0.000)