

^{161}Tb $Z = 65$ $N = 96$ adopted link ENSDF link

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

BE = 1316.091 (0.001) MeV

Qbeta- = 0.594 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
161TB 1	0.000	3/2+			1 6.89 D 2
161TB 2	0.056	5/2+			2
161TB 3	0.134	7/2+			3
161TB 4	0.231	9/2+			4
161TB 5	0.315	5/2+			5
161TB 6	0.394	7/2+			6
161TB 7			0.417 7/2-		7 0.88 NS 2
S-alpha=	0.427 (0.004)				
161TB 8			0.480 5/2-		8 0.1 NS LT
161TB 9			0.489 9/2-		9
161TB 10	0.499	9/2+			10
161TB 11	0.520	1/2+			11
161TB 12	0.558	3/2+			12
161TB 13			0.584 11/2-		13
161TB 14			0.586 7/2-		14 0.2 NS LT
161TB 15	0.602	5/2+			15
161TB 16				0.638	16
161TB 17	0.698	7/2+			17
161TB 18			0.707 9/2-		18
161TB 19				0.743	19
161TB 20				0.772	20
161TB 21			0.847 11/2-		21
161TB 22			0.920 1/2-		22
161TB 23			0.950 5/2-		23
161TB 24	0.980	1/2+			24
161TB 25				0.997	25
161TB 26			1.020 3/2-		26
161TB 27			1.064 9/2-		27
161TB 28				1.080 (5/2+)	28
161TB 29				1.111	29
161TB 30				1.130	30
161TB 31				1.141	31
161TB 32				1.150 (3/2+)	32
161TB 33			1.178 7/2-		33
161TB 34				1.210	34
161TB 35				1.232	35
161TB 36	1.252	5/2+			36

161TB 37				1.281	37
161TB 38				1.302	38
161TB 39				1.333	39
161TB 40				1.350	40

161TB 41				1.386	41
161TB 42				1.405	42
161TB 43				1.421	43
161TB 44				1.433	44
161TB 45				1.436	45
161TB 46				1.461	46
161TB 47				1.478	47
161TB 48				1.498	48
161TB 49				1.524	49
161TB 50				1.534	50

161TB 51				1.537	51
161TB 52				1.552	52
161TB 53				1.558	53
161TB 54				1.601	54
161TB 55				1.623	55
161TB 56				1.656	56
161TB 57				1.680	57
161TB 58				1.718	58
161TB 59				1.756	59
161TB 60				1.778	60

161TB 61				1.811	61
161TB 62				1.825	62
161TB 63				1.845	63
161TB 64				1.854	64
161TB 65				1.857	65
161TB 66		1.900	11/2-		66
161TB 67				1.946	67
161TB 68				1.979	68

S-p = 6.809 (0.002)-----
S-n = 7.697 (0.002)-----
S-2p = 15.996 (0.004)-----
S-2n = 14.072 (0.002)-----
S-alpha= 0.427 (0.004)-----

S+p = -8.008 (0.001)
S+n = -6.489 (0.002)
S+2p = -13.494 (0.001)
S+2n = -13.277 (0.004)
S+alpha = 0.139 (0.001)

gap p = -1.200 (0.002)

gap n = 1.208 (0.003)
gap 2p = 2.502 (0.005)
gap 2n = 0.795 (0.005)
gap alpha = 0.566 (0.005)