

^{150}Tb $Z = 65$ $N = 85$ adopted link ENSDF link

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

BE = 1230.951 (0.007) MeV

Qbeta+ = 4.658 (0.010) MeV

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

S-alpha=	-3.587	(0.010)	-----		
150TB 1				0.000 (2)-	1 3.48 H 16
150TB 2	0.397	1+			2
150TB 3	0.461	9+			3 5.8 M 2
150TB 4				1.055 (10+)	4
150TB 5				1.220 (11+)	5
150TB 6				1.294 (10-)	6
150TB 7				1.335 (11-)	7 0.39 NS 6
150TB 8				1.574 (12-)	8
150TB 9				1.897 (13+)	9
150TB 10				2.101 (13-)	10

150TB 11				2.392 (14-)	11
150TB 12				2.400 (14+)	12
150TB 13				2.629 (16+)	13
150TB 14				2.728 (15-)	14
150TB 15				2.745 (15+)	15
150TB 16				3.005 (16-)	16
S-p =	3.268	(0.008)	-----		
150TB 17				3.361 (18-)	17
150TB 18				3.671 (19-)	18
150TB 19				3.885 (20-)	19
150TB 20				3.920 (19+)	20

150TB 21				4.311 (20+)	21
150TB 22				4.805 (21+)	22
150TB 23				4.882 (22+)	23
150TB 24				4.960 (21-)	24
150TB 25				5.226 (22-)	25
150TB 26				5.436 (22+)	26
150TB 27				5.655 (22-)	27
150TB 28				5.713 (23+)	28
150TB 29				5.830 (23-)	29
150TB 30				5.963 (24+)	30

150TB 31				5.998 (24+)	31
150TB 32				6.031 (25+)	32
150TB 33				6.370 (26+)	33
150TB 34				6.496 (27+)	34
150TB 35				6.558 (27+)	35

150TB	36			7.055	(28-)	36
S-n = 7.689 (0.008)-----						
150TB	37			8.155	(30-)	37
150TB	38			8.253	(29+)	38
150TB	39			8.322	(29-)	39
150TB	40			8.484	(30)	40

150TB	41			8.502	(30-)	41
150TB	42			8.507		42
150TB	43			8.528		43
150TB	44			8.795	(31-)	44
150TB	45			8.888	(32)	45
150TB	46			8.945	(32-)	46
150TB	47			9.000	(31)	47
150TB	48			9.175		48
150TB	49			9.314	(33)	49
S-2p = 9.386 (0.012)-----						
150TB	50			9.391		50

150TB	51			9.544	(32-)	51
150TB	52			9.901	(33-)	52
150TB	53			9.908	(33+)	53
150TB	54			9.994		54

S-p = 3.268 (0.008)-----
S-n = 7.689 (0.008)-----
S-2p = 9.386 (0.012)-----
S-2n = 16.712 (0.014)-----
S-alpha= -3.587 (0.010)-----

S+p = -4.935 (0.008)
S+n = -8.589 (0.008)
S+2p = -7.077 (0.015)
S+2n = -15.754 (0.041)
S+alpha = 4.042 (0.011)

gap p = -1.668 (0.011)
gap n = -0.900 (0.012)
gap 2p = 2.310 (0.019)
gap 2n = 0.958 (0.043)
gap alpha = 0.455 (0.015)