

^{149}Tb $Z = 65$ $N = 84$ adopted link ENSDF link

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

BE = 1223.262 (0.004) MeV

Qbeta+ = 3.639 (0.005) MeV

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

S-alpha=	-4.078	(0.005)	-----		
149TB 1	0.000	1/2+			1 4.118 H 25
149TB 2			0.036	11/2-	2 4.16 M 4
149TB 3				0.101 (3/2)+	3 0.45 NS 5
149TB 4				0.207 (5/2)+	4 0.2 NS LE
149TB 5				0.460 (7/2+)	5
149TB 6				0.689 (7/2-)	6
149TB 7				0.742 (5/2+)	7
149TB 8				0.755 (3/2+,5/2+)	8
149TB 9			0.822	15/2-	9
149TB 10				0.825 (9/2-)	10

149TB 11				0.837 (5/2+)	11
149TB 12				0.841 (13/2-)	12
149TB 13				0.844 (7/2+)	13
149TB 14				0.870 (5/2+)	14
149TB 15				0.873 (11/2-)	15
149TB 16				0.953 (3/2-)	16
149TB 17				0.970 (7/2+)	17
149TB 18				0.982 (9/2+)	18
149TB 19				1.048	19
149TB 20				1.089 (5/2-)	20

149TB 21				1.120 (7/2+)	21
149TB 22	1.129	15/2+			22
149TB 23				1.184 (9/2-)	23
149TB 24				1.189 (7/2-)	24
149TB 25				1.205 (9/2+)	25
149TB 26				1.206 (9/2-)	26
149TB 27				1.251 (5/2-)	27
149TB 28				1.273 (9/2+)	28
149TB 29				1.382 (7/2-)	29
149TB 30				1.382 (19/2)-	30

149TB 31				1.421 (9/2-)	31
149TB 32				1.426 (9/2-)	32
149TB 33				1.454 (17/2-)	33
149TB 34				1.461 (5/2-,7/2-)	34
149TB 35				1.474 (11/2-)	35
149TB 36				1.508 (7/2-)	36

149TB 37				1.569	(15/2-)	37			
149TB 38				1.591	(17/2+)	38			
149TB 39				1.673	(23/2)-	39			
149TB 40				1.698	(9/2-)	40			

149TB 41				1.728	(5/2-)	41			
149TB 42				1.735	(7/2-)	42			
149TB 43				1.777	(7/2-)	43			
149TB 44				1.813	(21/2)-	44			
149TB 45				1.842	(9/2-)	45			
149TB 46				1.868	(19/2)+	46			
149TB 47				1.877	(5/2-)	47			
149TB 48				1.879	(17/2+)	48			
149TB 49				1.883	(9/2-)	49			
149TB 50				1.953	(9/2-)	50			

149TB 51				2.015		51			
149TB 52				2.065	(7/2-)	52			
149TB 53				2.074	(7/2-)	53			
149TB 54				2.161	(9/2-)	54			
149TB 55				2.303	(27/2)-	55			
149TB 56				2.350	(23/2)+	56			
149TB 57				2.369	(21/2+)	57			
149TB 58				2.492	(21/2+)	58			
S-p =	2.508	(0.004)	-----					
149TB 59				2.518	(27/2)+	59	2.4 NS	2	
149TB 60				2.664	(25/2)-	60			

149TB 61				2.667	(25/2+)	61			
149TB 62				2.763	(25/2-)	62			
149TB 63				2.812	(29/2)+	63			
149TB 64				3.142	(31/2)+	64			
149TB 65				3.527	(33/2)+	65			
149TB 66				3.603	(31/2-)	66			
149TB 67				3.990		67			
149TB 68				4.061		68			
149TB 69				4.107	(31/2+)	69			
149TB 70				4.208	(33/2)+	70			

149TB 71				4.463	(35/2)+	71			
149TB 72				4.674	(37/2)+	72			
149TB 73				4.923	(39/2)+	73			
149TB 74				5.148	(41/2)+	74			
149TB 75				5.258	(39/2-)	75			
149TB 76				5.619	(41/2)-	76			
149TB 77				5.712	(43/2)-	77			
149TB 78				5.735	(45/2)+	78			
149TB 79				5.966	(43/2+)	79			
149TB 80				6.025	(43/2)-	80			

149TB 81				6.112	(45/2)-	81	
149TB 82				6.221	(45/2)-	82	
149TB 83				6.400	(47/2)-	83	
149TB 84				6.788	(47/2)+	84	
149TB 85				6.874	(47/2)+	85	
149TB 86				7.112	(49/2)+	86	
149TB 87				7.194	(49/2)	87	
149TB 88				7.740	(51/2)	88	
149TB 89				7.976	(51/2+)	89	
149TB 90				8.048	(51/2)+	90	

149TB 91				8.247	(53/2)+	91	
149TB 92				8.281	(53/2)	92	
S-2p	=	8.522	(0.004)	-----			
149TB 93				8.733	(55/2+)	93	
149TB 94				8.922	(53/2)+	94	
S-n	=	9.023	(0.013)	-----			
149TB 95				9.197	(59/2+)	95	
149TB 96				9.227		96	
149TB 97				9.482		97	
149TB 98				9.771	(57/2)+	98	
149TB 99				9.955	(61/2)+	99	4.0 NS 2
S-p	=	2.508	(0.004)	-----			
S-n	=	9.023	(0.013)	-----			
S-2p	=	8.522	(0.004)	-----			
S-2n	=	16.889	(0.009)	-----			
S-alpha	=	-4.078	(0.005)	-----			
S+p	=	-5.110	(0.006)				
S+n	=	-7.689	(0.008)				
S+2p	=	-6.712	(0.009)				
S+2n	=	-16.278	(0.005)				
S+alpha	=	4.052	(0.006)				
gap p	=	-2.602	(0.007)				
gap n	=	1.334	(0.015)				
gap 2p	=	1.810	(0.010)				
gap 2n	=	0.611	(0.010)				
gap alpha	=	-0.026	(0.008)				