

^{151}Ho $Z = 67$ $N = 84$ adopted link ENSDF link

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

BE = 1229.974 (0.008) MeV

Qbeta+ = 5.130 (0.009) MeV

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

S-alpha=	-4.695	(0.012)	-----		
151HO 1	|	|	|	0.000 (11/2-)	1 35.2 S 1
151HO 2	|	|	|	0.041 (1/2+)	2 47.2 S 13
151HO 3	|	|	|	0.141 (3/2+)	3
151HO 4	|	|	|	0.398 (5/2+)	4
151HO 5	|	|	|	0.638 (7/2-,9/2-)	5
151HO 6	|	|	|	0.667 (7/2-,9/2-)	6
151HO 7	|	|	|	0.700 (7/2+)	7
151HO 8	|	|	|	0.789 (15/2-)	8
151HO 9	|	|	|	0.862	9
151HO 10	|	|	|	0.869	10

151HO 11	|	|	|	0.910	11
151HO 12	|	|	|	0.935	12
151HO 13	|	|	|	1.002	13
151HO 14	|	|	|	1.129	14
151HO 15	|	|	|	1.202	15
151HO 16	|	|	|	1.280	16
151HO 17	|	|	|	1.378	17
151HO 18	|	|	|	1.387 (19/2-)	18
151HO 19	|	|	|	1.542	19
151HO 20	|	|	|	1.563	20

S-p	=	1.602	(0.009)	-----	
151HO 21	|	|	|	1.684 (23/2-)	21
151HO 22	|	|	|	1.791 (21/2-)	22
151HO 23	|	|	|	1.833 (5/2-,7/2-)	23
151HO 24	|	|	|	1.861	24
151HO 25	|	|	|	1.947	25
151HO 26	|	|	|	2.098 (25/2-)	26
151HO 27	|	|	|	2.227 (27/2-)	27
151HO 28	|	|	|	2.615 (27/2)	28
151HO 29	|	|	|	2.851 (27/2-)	29
151HO 30	|	|	|	2.880 (29/2)	30

151HO 31	|	|	|	3.144 (29/2)	31
151HO 32	|	|	|	3.155 (31/2)	32
151HO 33	|	|	|	3.315 (33/2)	33
151HO 34	|	|	|	3.523 (33/2)	34
151HO 35	|	|	|	3.624 (31/2-)	35

151HO	36	|	|	|	3.970	(35/2)	36		
151HO	37	|	|	|	4.110	(35/2-)	37		
151HO	38	|	|	|	4.356	(39/2-)	38		
151HO	39	|	|	|	4.562	(39/2)	39		
151HO	40	|	|	|	4.812	(43/2-)	40	1 NS	AP

151HO	41	|	|	|	5.293	(41/2)	41		
151HO	42	|	|	|	5.578	(43/2)	42		
151HO	43	|	|	|	5.642	(45/2)	43		
151HO	44	|	|	|	5.836	(45/2)	44		
151HO	45	|	|	|	5.875	(47/2)	45		
151HO	46	|	|	|	6.184	(49/2)	46		
151HO	47	|	|	|	6.225		47		
151HO	48	|	|	|	6.514		48		
151HO	49	|	|	|	6.523		49		
151HO	50	|	|	|	6.535		50		

151HO	51	|	|	|	6.660		51		
S-2p	=	6.712	(	0.009)	-----				
151HO	52	|	|	|	6.806		52		
151HO	53	|	|	|	6.851		53		
151HO	54	|	|	|	6.907		54		
151HO	55	|	|	|	7.071		55		
151HO	56	|	|	|	7.099		56		
151HO	57	|	|	|	7.129		57		
151HO	58	|	|	|	7.192		58		
151HO	59	|	|	|	7.326		59		
151HO	60	|	|	|	7.754		60		

151HO	61	|	|	|	8.026		61		
151HO	62	|	|	|	8.341	(GE 57/2)	62	9.2 NS	20
151HO	63	|	|	|	8.652		63		
151HO	64	|	|	|	9.054		64		
151HO	65	|	|	|	9.532		65		
S-n	=	9.748	(	0.016)	-----				
151HO	66	|	|	|	9.959		66		

S-p	=	1.602	(	0.009)	-----				
S-n	=	9.748	(	0.016)	-----				
S-2p	=	6.712	(	0.009)	-----				
S-2n	=	18.120	(	0.015)	-----				
S-alpha	=	-4.695	(	0.012)	-----				

S+p	=	-4.167	(	0.012)					
S+n	=	-8.053	(	0.015)					
S+2p	=	-4.928	(	0.015)					
S+2n	=	-17.532	(	0.010)					
S+alpha	=	4.572	(	0.013)					

gap p = -2.564 (0.015)
gap n = 1.695 (0.022)
gap 2p = 1.784 (0.017)
gap 2n = 0.588 (0.018)
gap alpha = -0.123 (0.017)