

^{150}Er $Z = 68$ $N = 82$ [link to full NNDC output](#)

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

BE = 1215.329 (0.017) MeV

Qbeta+ = 4.115 (0.022) MeV

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

S-alpha=	-2.299	(0.019)	-----		
150ER 1	0.000	0+			1 18.5 S 7
150ER 2	1.578	2+			2
150ER 3			1.786	3-	3
150ER 4			2.260	5-	4
150ER 5	2.294	4+			5
150ER 6	2.621	6+			6
150ER 7			2.633	7-	7
150ER 8	2.733	8+			8 20 NS AP
150ER 9	2.796	10+			9 2.55 US 10
150ER 10				2.855 (6-)	10

150ER 11				2.995 (5-)	11
150ER 12				3.187 (4-)	12
S-p =	3.474	(0.021)	-----		
150ER 13				3.774 (5-)	13
150ER 14				4.000 (11-)	14
150ER 15				4.243 (12+)	15
150ER 16				4.438 (5-)	16
150ER 17				4.490 (13-)	17
S-2p =	4.550	(0.019)	-----		
150ER 18				4.884 (15-)	18
150ER 19				4.927 (14+)	19
150ER 20				5.222 (16+)	20

150ER 21				6.359	21
150ER 22				6.928	22
150ER 23				7.153	23
150ER 24				7.332	24
150ER 25				7.372	25 15 NS 4
150ER 26				7.937	26
150ER 27				8.483	27
150ER 28				9.149	28
150ER 29				9.509	29 43 NS 3

S-p =	3.474	(0.021)	-----		
S-n =	12.161	(0.033)	-----		
S-2p =	4.550	(0.019)	-----		
S-2n =	22.495	(0.020)	-----		

S-alpha= -2.299 (0.019)-----

S+p = -0.230 (0.026)

S+n = -8.506 (0.024)

S+2p = -3.017 (0.151)

S+2n = -18.812 (0.019)

S+alpha = 5.474 (0.024)

gap p = 3.243 (0.033)

gap n = 3.655 (0.041)

gap 2p = 1.533 (0.152)

gap 2n = 3.683 (0.028)

gap alpha = 3.175 (0.031)