

^{150}Er $Z = 68$ $N = 82$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 1215.329 (0.017) MeV

Qbeta+ = 4.115 (0.022) MeV

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

S-alpha=	-2.299	(0.018)	-----		

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 (0.018) -----

S+p = -0.229 (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 = 3.245 (0.033)
gap n = 3.655 (0.041)
gap 2p = 1.533 (0.152)
gap 2n = 3.683 (0.028)
gap alpha = 3.176 (0.031)