

^{149}Er $Z = 68$ $N = 81$ adopted link ENSDF link

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

BE = 1203.168 (0.028) MeV

Qbeta+ = 7.904 (0.030) MeV

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

S-alpha=	-2.076	(0.029)	-----		
149ER	1			0.000 (1/2+)	1 4 S 2
149ER	2			0.111 (3/2+)	2
149ER	3			0.742 (11/2-)	3 8.9 S 2
149ER	4			0.907 (5/2+)	4
149ER	5			1.066 (7/2-)	5
149ER	6			1.483 (9/2-,11/2-)	6
149ER	7			2.312 (15/2-)	7
149ER	8			2.479 (15/2+)	8
149ER	9			2.542 (15/2+)	9
149ER	10			2.611 (19/2+)	10 0.61 US 8

S-p = 3.039 (0.088)-----
 S-n = 10.334 (0.030)-----
 S-2p = 4.123 (0.029)-----
 S-2n = 23.276 (0.047)-----
 S-alpha= -2.076 (0.029)-----

S+p = 0.018 (0.153)
 S+n = -12.161 (0.033)
 S+2p = -2.379 (0.302)
 S+2n = -20.667 (0.032)
 S+alpha = 4.098 (0.156)

gap p = 3.058 (0.176)
 gap n = -1.827 (0.044)
 gap 2p = 1.745 (0.303)
 gap 2n = 2.609 (0.057)
 gap alpha = 2.022 (0.158)