

^{65}Fe $Z = 26$ $N = 39$ [link to full NNDC output](#)

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

BE = 555.513 (0.005) MeV

Qbeta- = 7.967 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2
65FE	1			0.000 (1/2-)	1 0.81 S 5
65FE	2			0.364 (3/2+)	2 0.43 US 13
65FE	3			0.397 (5/2-)	3
65FE	4			0.402 (9/2+)	4 1.12 S 15
65FE	5			1.174 (13/2+)	5
65FE	6			2.292	6

S-p = 15.518 (0.006)-----

S-n = 4.320 (0.007)-----

S-2p = 29.788 (0.358)-----

S-2n = 11.725 (0.007)-----

S-alpha= 11.168 (0.101)-----

S+p = -12.480 (0.015)

S+n = -6.921 (0.007)

S+2p = -27.103 (0.006)

S+2n = -10.535 (0.270)

S+alpha = -11.186 (0.006)

gap p = 3.038 (0.016)

gap n = -2.602 (0.010)

gap 2p = 2.686 (0.358)

gap 2n = 1.190 (0.270)

gap alpha = -0.018 (0.102)