

^{65}Fe $Z = 26$ $N = 39$ adopted link ENSDF link

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

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
65FE 7				0.000 (1/2-)	7 0.81 S 5

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

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

S-2p = 29.618 (0.073)-----

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

S-alpha= 11.146 (0.005)-----

S+p = -12.480 (0.015)

S+n = -6.921 (0.007)

S+2p = -27.103 (0.006)

S+2n = -10.633 (0.006)

S+alpha = -11.186 (0.006)

gap p = 3.038 (0.016)

gap n = -2.602 (0.010)

gap 2p = 2.515 (0.073)

gap 2n = 1.092 (0.009)

gap alpha = -0.039 (0.008)