

^{64}Fe $Z = 26$ $N = 38$ [link to full NNDC output](#)

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

BE = 551.193 (0.005) MeV

Qbeta- = 4.823 (0.021) MeV

	Energy T	J+	J-	J-other	T1/2
64FE 1	0.000	0+			1
64FE 2	0.746	2+			2
64FE 3				1.444 (1+,2+)	3
64FE 4	1.763	4+			4
64FE 5				1.853 (1+,2+)	5
64FE 6				2.117 (1+,2+)	6
64FE 7				2.841 (5-)	7
64FE 8				2.842 (6+)	8
64FE 9				3.093 (0+,1+,2+)	9
64FE 10				3.307 (1+,2+)	10
64FE 11				3.317 (0+,1+,2+)	11
64FE 12				3.423 (7-)	12
64FE 13				3.529 (6,7,8+)	13
64FE 14				3.623 (8+)	14
64FE 15				4.227 (1+,2+)	15
64FE 16				4.628 (10+)	16

S-p = 15.372 (0.006)-----

S-n = 7.405 (0.007)-----

S-2p = 28.653 (0.148)-----

S-2n = 12.234 (0.006)-----

S-alpha= 10.725 (0.194)-----

S+p = -11.505 (0.005)

S+n = -4.320 (0.007)

S+2p = -25.615 (0.005)

S+2n = -11.241 (0.006)

S+alpha = -10.919 (0.006)

gap p = 3.867 (0.008)

gap n = 3.086 (0.010)

gap 2p = 3.038 (0.148)

gap 2n = 0.993 (0.009)

gap alpha = -0.194 (0.194)