

^{50}Fe $Z = 26$ $N = 24$ [link to full NNDC output](#)

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

BE = 417.701 (0.008) MeV

Qbeta+ = 8.151 (0.008) MeV

	Energy T	J+	J-	J-other	T1/2
50FE 1	0.000	0+			1 155 MS 11
50FE 2	0.765	2+			2 1.5 PS 3
50FE 3				1.852 (4+)	3
50FE 4				3.159 (6+)	4
50FE 5				3.397 (4+)	5
S-p =	4.145 (0.009)				
50FE 6				4.786 (8+)	6
S-2p =	6.232 (0.011)				
50FE 7				6.367 (10+)	7
50FE 8				6.994 (11+)	8
S-alpha=	7.430 (0.014)				
50FE 9				8.463 (6+)	9
S-p =	4.145 (0.009)				
S-n =	17.797 (0.026)				
S-2p =	6.232 (0.011)				
S-2n =	0.000 (0.000)				
S-alpha=	7.430 (0.014)				
S+p =	-0.155 (0.049)				
S+n =	-13.797 (0.012)				
S+2p =	0.000 (0.000)				
S+2n =	-29.997 (0.010)				
S+alpha =	-7.227 (0.010)				
gap p =	3.990 (0.050)				
gap n =	4.000 (0.028)				
gap 2p =	0.000 (0.000)				
gap 2n =	0.000 (0.000)				
gap alpha =	0.203 (0.017)				