

^{48}Fe $Z = 26$ $N = 22$ adopted link ENSDF link

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

BE = 385.091 (0.092) MeV

Qbeta+ = 11.288 (0.092) MeV

	Energy T	J+	J-	J-other	T1/2
48FE 1	0.000	0+			1 45.5 MS 8
48FE 2				0.970 (2+)	2
48FE 3				2.253 (4+)	3
48FE 4				2.377 (2+)	4
S-p	= 2.731 (0.098)				
S-2p	= 3.115 (0.093)				
48FE 5				3.197 (4+)	5
48FE 6				3.241 (6+)	6
48FE 7				3.475 (3-)	7
48FE 8				3.497 (6+)	8
48FE 9				4.205 (5-)	9

S-p = 2.731 (0.098)-----
 S-n = 18.961 (0.525)-----
 S-2p = 3.115 (0.093)-----
 S-2n = 35.353 (0.335)-----
 S-alpha= 7.012 (0.105)-----

S+p = 0.931 (0.499)
 S+n = -14.813 (0.095)
 S+2p = -0.009 (0.508)
 S+2n = -32.611 (0.093)
 S+alpha = -6.976 (0.124)

gap p = 3.662 (0.508)
 gap n = 4.147 (0.534)
 gap 2p = 3.106 (0.517)
 gap 2n = 2.742 (0.348)
 gap alpha = 0.035 (0.163)