

^{23}F $Z = 9$ $N = 14$ adopted link ENSDF link

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

BE = 175.314 (0.033) MeV

Qbeta- = 8.439 (0.033) MeV

	Energy T	J+	J-	J-other	T1/2
23F 1				0.000 (5/2+)	1 2.23 S 14
23F 2				2.246 (1/2)+	2
23F 3				2.920	3
23F 4				3.373	4
23F 5				3.831	5
23F 6				3.865 (1/2+,3/2+)	6
23F 7				3.964	7
23F 8				4.061 (3/2+)	8
23F 9				4.610 (1/2+,3/2+)	9
23F 10				4.732	10
23F 11				4.923	11
23F 12				5.000	12
23F 13				5.547 (1/2+,3/2+)	13
23F 14				5.593 (1/2+,3/2+)	14
23F 15				6.250	15
23F 16				6.365	16
23F 17				6.629	17
23F 18				6.905	18
S-n =	7.579 (0.036)				
23F 19				8.180	19

S-p = 13.287 (0.066)-----
 S-n = 7.579 (0.036)-----
 S-2p = 36.525 (0.138)-----
 S-2n = 12.810 (0.033)-----
 S-alpha= 14.996 (0.037)-----

S+p = -16.526 (0.033)
 S+n = -3.812 (0.103)
 S+2p = -27.221 (0.033)
 S+2n = -8.094 (0.102)
 S+alpha = -11.228 (0.034)

gap p = -3.239 (0.074)
 gap n = 3.767 (0.109)
 gap 2p = 9.304 (0.142)
 gap 2n = 4.716 (0.107)
 gap alpha = 3.768 (0.050)