

^{22}F $Z = 9$ $N = 13$ adopted link ENSDF link

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

BE = 167.734 (0.012) MeV

Qbeta- = 10.818 (0.012) MeV

	Energy T	J+	J-	J-other	T1/2
22F 1				0.000 (4+)	1 4.23 S 4
22F 2				0.072 (3+)	2
22F 3				0.310 (2+)	3
22F 4				0.709 (2+)	4 57 FS 28
22F 5				1.413 (5+)	5 27 FS 14
22F 6	1.627	1+			6 66 FS 10
22F 7				1.632 (3+)	7 34 FS 21
22F 8				2.007 (2+)	8 55 FS 14
22F 9	2.572	1+			9 53 FS 28
22F 10				2.580 4+,5+	10
22F 11				2.832 (4+)	11 37 FS 28
22F 12				2.881 (2+)	12
22F 13				2.920 (1+,0+)	13
22F 14				3.170 (0+,1+)	14
22F 15				3.376 (1+,2+)	15 44 FS 21
22F 16				3.582 (5+)	16 76 FS 21
22F 17				3.980 (2+,3+)	17
22F 18				4.200 (4+,5+)	18
22F 19				4.366 (3+,4+)	19
22F 20				4.630 (2+,3+)	20
22F 21				4.780 (2+,3+)	21
22F 22				4.883 (2+,3+)	22
S-n	= 5.230 (0.013)				
22F 23				5.238 (0+,1+)	23
22F 24				5.590	24
22F 25				5.750	25
22F 26				6.595	26
S-p	= 12.558 (0.017)				
S-n	= 5.230 (0.013)				
S-2p	= 33.551 (0.080)				
S-2n	= 13.332 (0.012)				
S-alpha	= 12.745 (0.022)				
S+p	= -15.236 (0.012)				
S+n	= -7.579 (0.036)				
S+2p	= -25.789 (0.012)				

S+2n = -11.392 (0.098)
S+alpha = -12.079 (0.013)

gap p = -2.679 (0.021)
gap n = -2.349 (0.038)
gap 2p = 7.762 (0.081)
gap 2n = 1.940 (0.099)
gap alpha = 0.666 (0.026)