

^{27}F $Z = 9$ $N = 18$ adopted link ENSDF link

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

BE = 185.751 (0.120) MeV

Qbeta- = 18.083 (0.151) MeV

	Energy T	J+	J-	J-other	T1/2

27F	1			0.000 (5/2+)	1 5.0 MS 2
27F	2			0.777 (1/2+)	2
27F	3			1.281 (1/2-)	3
S-n	= 1.613 (0.161)	-----			
S-2n	= 2.343 (0.154)	-----			
27F	4			2.500	4 10 KEV
27F	5			0.000 (5/2+)	5
S-p	= 16.817 (0.204)	-----			
S-n	= 1.613 (0.161)	-----			
S-2p	= 45.426 (0.514)	-----			
S-2n	= 2.343 (0.154)	-----			
S-alpha	= 14.012 (0.437)	-----			
S+p	= -21.123 (0.174)				
S+n	= 0.199 (0.170)				
S+2p	= -37.031 (0.120)				
S+2n	= -1.126 (0.539)				
S+alpha	= -15.312 (0.121)				
gap p	= -4.306 (0.268)				
gap n	= 1.811 (0.234)				
gap 2p	= 8.395 (0.528)				
gap 2n	= 1.217 (0.561)				
gap alpha	= -1.300 (0.454)				