

^{17}F $Z = 9$ $N = 8$ adopted link ENSDF link

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

BE = 128.220 (0.000) MeV

Qbeta+ = 2.760 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
17F 1	0.000	1/2 5/2+			1 64.49 S 16
17F 2	0.495	1/2+			2 286 PS 6
S-p =	0.600 (0.000)				
17F 3			3.104	1/2-	3 19 KEV 1
17F 4			3.857	5/2-	4 1.5 KEV 2
17F 5			4.640	3/2-	5 225 KEV
17F 6	5.000	3/2+			6 1530 KEV
17F 7			5.220	9/2-	7
17F 8			5.488	3/2-	8 68 KEV
17F 9			5.672	7/2-	9 40 KEV
17F 10				5.682 (5/2-)	10 0.6 KEV LT
S-alpha=	5.819 (0.000)				
17F 11	5.820	3/2+			11 180 KEV
17F 12			6.037	1/2-	12 30 KEV
17F 13	6.560	1/2+			13 200 KEV
17F 14	6.697	5/2+			14 1.8 KEV LE
17F 15				6.774 (3/2+)	15 4.5 KEV
17F 16			7.027	5/2-	16 3.8 KEV
17F 17				7.356 (3/2+)	17 10 KEV 2
17F 18				7.448	18 5 KEV LE
17F 19				7.454	19 7 KEV 2
17F 20				7.471	20 5 KEV 2
17F 21	7.479	3/2+			21 795 KEV
17F 22			7.546	7/2-	22 30 KEV
17F 23				7.750 (1/2+)	23 179 KEV 30
17F 24				7.950	24 10 KEV 3
17F 25				8.010	25 50 KEV 20
17F 26				8.070 5/2(+)	26 100 KEV 20
17F 27				8.075 (1/2,3/2)-	27
17F 28				8.200 3/2(-)	28 700 KEV 250
17F 29				8.383 5/2(-)	29 11 KEV 5
17F 30				8.416 (7/2+)	30 45 KEV 10
17F 31				8.436 (1/2,3/2)-	31
17F 32				8.750 5/2(+)	32 170 KEV 30
17F 33	8.760	3/2+			33 90 KEV 20
17F 34				8.825 (1/2,3/2)-	34
17F 35			8.980	7/2-	35 165 KEV 30

17F	36						9.170	3/2(+)		36	140 KEV	30
17F	37						9.450			37	200 KEV	40
17F	38		9.920	9/2+						38	90 KEV	30

S-p = 0.600 (0.000)-----
 S-n = 16.795 (0.005)-----
 S-2p = 12.728 (0.000)-----
 S-2n = 30.758 (0.014)-----
 S-alpha= 5.819 (0.000)-----

S+p = -3.923 (0.000)
 S+n = -9.150 (0.001)
 S+2p = -3.600 (0.011)
 S+2n = -19.582 (0.000)
 S+alpha = -6.561 (0.000)

gap p = -3.323 (0.001)
 gap n = 7.645 (0.005)
 gap 2p = 9.127 (0.011)
 gap 2n = 11.176 (0.014)
 gap alpha = -0.743 (0.000)