

^{207}Fr $Z = 87$ $N = 120$ adopted link ENSDF link

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

BE = 1605.548 (0.018) MeV

Qbeta+ = 5.786 (0.018) MeV

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

S-alpha=	-6.889 (0.021)				
207FR 1			0.000 9/2-		1 14.8 S 1
207FR 2				0.600 (13/2-)	2
S-p =	1.005 (0.020)				
207FR 3				1.155 (17/2-)	3
207FR 4				1.809 (21/2-)	4
207FR 5				1.885	5

S-p = 1.005 (0.020)-----

S-n = 9.674 (0.033)-----

S-2p = 4.443 (0.021)-----

S-2n = 17.682 (0.019)-----

S-alpha= -6.889 (0.021)-----

S+p = -2.712 (0.020)

S+n = -7.887 (0.021)

S+2p = -2.884 (0.059)

S+2n = -17.076 (0.021)

S+alpha = 7.568 (0.057)

gap p = -1.707 (0.028)

gap n = 1.786 (0.039)

gap 2p = 1.558 (0.062)

gap 2n = 0.606 (0.028)

gap alpha = 0.679 (0.060)