

^{211}Fr $Z = 87$ $N = 124$ adopted link ENSDF link

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

BE = 1639.124 (0.012) MeV

Qbeta+ = 4.615 (0.014) MeV

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

S-alpha=	-6.662 (0.017)				
211FR 1			0.000 9/2-		1 3.10 M 2
211FR 2				0.396 (7/2-)	2
211FR 3				0.506 (5/2-)	3
211FR 4				0.583 (11/2-)	4
211FR 5				0.633 (5/2-)	5
211FR 6				0.653 (13/2-)	6 1 NS LT
211FR 7				0.739 (7/2-)	7
211FR 8				1.027	8
211FR 9				1.453 (17/2-)	9 2 NS LT
211FR 10				1.686 (21/2-)	10 2.1 NS 2

S-p	= 1.824 (0.013)				
211FR 11				1.860 (23/2-)	11 2 NS LT
211FR 12				2.242	12
211FR 13				2.310 (25/2+)	13 2 NS LT
211FR 14				2.423 (29/2+)	14 146 NS 14
211FR 15				2.980 (31/2+)	15 2 NS LT
211FR 16				3.244 (33/2+)	16 2 NS LT
211FR 17				3.602 (37/2+)	17 2 NS LT
211FR 18				3.929 (39/2+)	18 2 NS LT
211FR 19				4.369	19
211FR 20				4.657 (45/2-)	20 123 NS 14

211FR 21				5.196	21
211FR 22				5.303	22
211FR 23				5.556 (47/2-)	23 7 NS LT
211FR 24				5.786 (-)	24

S-2p	= 5.834 (0.013)				
211FR 25				6.024	25
211FR 26				6.182 (49/2-)	26 7 NS LT
211FR 27				6.259 (-)	27 7 NS LT
211FR 28				6.560 (-)	28 7 NS LT
211FR 29				7.031	29
211FR 30				7.822	30

211FR 31				8.230	31

S-p = 1.824 (0.013)

S-n = 8.868 (0.018)-----
S-2p = 5.834 (0.013)-----
S-2n = 16.501 (0.017)-----
S-alpha= -6.662 (0.017)-----

S+p = -3.347 (0.016)
S+n = -7.447 (0.015)
S+2p = -4.297 (0.017)
S+2n = -15.557 (0.013)
S+alpha = 7.746 (0.017)

gap p = -1.523 (0.020)
gap n = 1.421 (0.023)
gap 2p = 1.538 (0.021)
gap 2n = 0.944 (0.021)
gap alpha = 1.084 (0.024)