

^{222}Fr $Z = 87$ $N = 135$ adopted link ENSDF link

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

BE = 1707.390 (0.007) MeV
 Qbeta- = 2.058 (0.009) MeV
 Qbeta+ = 0.006 (0.008) MeV

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

S-alpha=	-5.853	(0.014)	-----		
222FR 1			0.000	2-	
					1 14.2 M 3
222FR 2				0.040	
					2

S-p = 5.382 (0.009)-----
 S-n = 4.970 (0.009)-----
 S-2p = 12.576 (0.016)-----
 S-2n = 11.247 (0.008)-----
 S-alpha= -5.853 (0.014)-----

S+p = -6.434 (0.008)
 S+n = -6.067 (0.008)
 S+2p = -10.722 (0.009)
 S+2n = -10.772 (0.013)
 S+alpha = 5.506 (0.008)

gap p = -1.052 (0.012)
 gap n = -1.097 (0.012)
 gap 2p = 1.854 (0.018)
 gap 2n = 0.474 (0.016)
 gap alpha = -0.347 (0.016)