

^{219}At $Z = 85$ $N = 134$ adopted link ENSDF link

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

BE = 1690.723 (0.003) MeV

Qbeta- = 1.567 (0.004) MeV

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

S-alpha=	-6.342 (0.006)				
219AT	1			0.000 (9/2-)	1 56 S 4
219AT	2			0.059 (7/2-)	2
219AT	3			0.151 (5/2-)	3
219AT	4			0.174 (3/2-)	4
219AT	5			0.296 (3/2-)	5

S-p = 5.250 (0.004)-----

S-n = 5.776 (0.012)-----

S-2p = 12.912 (0.018)-----

S-2n = 10.141 (0.006)-----

S-alpha= -6.342 (0.006)-----

S+p = -7.073 (0.004)

S+n = -4.092 (0.014)

S+2p = -11.697 (0.006)

S+2n = -9.756 (0.014)

S+alpha = 5.561 (0.004)

gap p = -1.823 (0.005)

gap n = 1.684 (0.019)

gap 2p = 1.215 (0.019)

gap 2n = 0.385 (0.016)

gap alpha = -0.781 (0.008)