

^{209}Ac $Z = 89$ $N = 120$ adopted link ENSDF link

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

BE = 1608.432 (0.056) MeV

Qbeta+ = 6.987 (0.056) MeV

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

S-alpha=	-7.730 (0.056)				
209AC	1			0.000 (9/2-)	1 0.087 S +12-9

S-p = 0.172 (0.057)-----

S-n = 9.987 (0.085)-----

S-2p = 2.884 (0.059)-----

S-2n = 18.444 (0.079)-----

S-alpha= -7.730 (0.056)-----

S+p = -2.074 (0.059)

S+n = -8.152 (0.084)

S+2p = -1.371 (0.089)

S+2n = -17.844 (0.078)

S+alpha = 8.384 (0.080)

gap p = -1.902 (0.082)

gap n = 1.835 (0.119)

gap 2p = 1.513 (0.107)

gap 2n = 0.600 (0.111)

gap alpha = 0.655 (0.098)