

^{228}Ac $Z = 89$ $N = 139$ adopted link ENSDF link

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

BE = 1741.737 (0.002) MeV

Qbeta- = 2.124 (0.003) MeV

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

S-alpha=	-4.721 (0.011)				
228AC 1	0.000	3+			1 6.15 H 2
228AC 2			0.006 1-		2
228AC 3	0.007	1+			3
228AC 4			0.020 1-		4
228AC 5	0.033	1+			5

S-p = 5.572 (0.003)-----

S-n = 5.026 (0.003)-----

S-2p = 13.204 (0.007)-----

S-2n = 11.557 (0.004)-----

S-alpha= -4.721 (0.011)-----

S+p = -6.598 (0.003)

S+n = -6.276 (0.012)

S+2p = -11.299 (0.004)

S+2n = -11.199 (0.016)

S+alpha = 4.627 (0.008)

gap p = -1.026 (0.004)

gap n = -1.250 (0.013)

gap 2p = 1.905 (0.008)

gap 2n = 0.358 (0.016)

gap alpha = -0.094 (0.014)