

^{217}Th $Z = 90$ $N = 127$ adopted link ENSDF link

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

BE = 1668.859 (0.011) MeV

Qbeta+ = 3.503 (0.015) MeV

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

S-alpha=	-9.435 (0.014)				
217TH 1				0.000 (9/2+)	1 0.252 MS 4
217TH 2				0.673 (15/2-)	2 141 NS 50
217TH 3				1.943 (17/2+)	3
217TH 4				2.252 (21/2+)	4

S-p = 3.233 (0.014)-----

S-n = 6.164 (0.015)-----

S-2p = 4.904 (0.013)-----

S-2n = 14.858 (0.012)-----

S-alpha= -9.435 (0.014)-----

S+p = -0.845 (0.021)

S+n = -7.910 (0.015)

S+2p = -3.488 (0.017)

S+2n = -13.886 (0.057)

S+alpha = 9.889 (0.073)

gap p = 2.388 (0.025)

gap n = -1.746 (0.021)

gap 2p = 1.417 (0.021)

gap 2n = 0.973 (0.059)

gap alpha = 0.454 (0.074)