

^{216}Th $Z = 90$ $N = 126$ adopted link ENSDF link

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

BE = 1662.695 (0.011) MeV

Qbeta+ = 2.149 (0.014) MeV

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

S-alpha=	-8.073	(0.015)	-----		
216TH 1	0.000	0+			1 26.0 MS 2
216TH 2	1.478	2+			2
216TH 3			1.688	3-	3
216TH 4	1.814	4+			4
216TH 5	2.014	6+			5
216TH 6	2.040	8+			6 134 US 4
216TH 7				2.131 (8+)	7
216TH 8			2.647	11-	8 0.58 US 3

S-p =	3.021	(0.017)	-----		
216TH 9				3.530 (12+)	9
216TH 10				3.681 (14+)	10 0.74 US 7

S-p = 3.021 (0.017)-----
 S-n = 8.694 (0.013)-----
 S-2p = 4.372 (0.012)-----
 S-2n = 16.539 (0.015)-----
 S-alpha= -8.073 (0.015)-----

S+p = -0.533 (0.017)
 S+n = -6.164 (0.015)
 S+2p = -2.982 (0.018)
 S+2n = -14.075 (0.015)
 S+alpha = 10.190 (0.011)

gap p = 2.488 (0.024)
 gap n = 2.530 (0.020)
 gap 2p = 1.390 (0.021)
 gap 2n = 2.464 (0.022)
 gap alpha = 2.118 (0.019)