

^{218}Th $Z = 90$ $N = 128$ adopted link ENSDF link

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

BE = 1676.769 (0.011) MeV

Qbeta+ = 1.516 (0.059) MeV

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

S-alpha=	-9.849 (0.012)				
218TH 1	0.000	0+			1 122 NS 5
218TH 2	0.689	2+			2
218TH 3				1.078 (3-)	3
218TH 4	1.192	4+			4
218TH 5	1.561	6+			5
218TH 6	1.762	8+			6 1.2 NS 2
218TH 7	2.099	10+			7 0.25 NS 15
218TH 8				2.273 (11-)	8
218TH 9				2.686 (13-)	9
218TH 10				3.160 (15-)	10

218TH 11				3.307 (16+)	11

S-p = 3.625 (0.015)-----
 S-n = 7.910 (0.015)-----
 S-2p = 5.503 (0.013)-----
 S-2n = 14.075 (0.015)-----
 S-alpha= -9.849 (0.012)-----

S+p = -1.073 (0.070)
 S+n = -5.975 (0.057)
 S+2p = -4.031 (0.011)
 S+2n = -13.820 (0.017)
 S+alpha = 9.481 (0.053)

gap p = 2.552 (0.072)
 gap n = 1.935 (0.059)
 gap 2p = 1.472 (0.017)
 gap 2n = 0.255 (0.023)
 gap alpha = -0.368 (0.054)