

^{225}Th $Z = 90$ $N = 135$ adopted link ENSDF link

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

BE = 1723.325 (0.005) MeV

Qbeta+ = 0.673 (0.007) MeV

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

S-alpha=	-6.922 (0.007)				
225TH 1				0.000 (3/2+)	1 8.75 M 4
225TH 2				0.068 (7/2+)	2
225TH 3				0.187 (11/2+)	3
225TH 4				0.326 (13/2-)	4
225TH 5				0.370 (15/2+)	5
225TH 6				0.520 (17/2-)	6
225TH 7				0.614 (19/2+)	7
225TH 8				0.769 (21/2-)	8
225TH 9				0.911 (23/2+)	9
225TH 10				1.072 (25/2-)	10

225TH 11				1.251 (27/2+)	11
225TH 12				1.426 (29/2-)	12
225TH 13				1.632 (31/2+)	13
225TH 14				1.824 (33/2-)	14
225TH 15				2.047 (35/2+)	15
225TH 16				2.259 (37/2-)	16
225TH 17				2.494 (39/2+)	17

S-p = 5.213 (0.007)-----
S-n = 5.757 (0.011)-----
S-2p = 9.501 (0.006)-----
S-2n = 13.218 (0.009)-----
S-alpha= -6.922 (0.007)-----

S+p = -3.566 (0.012)
S+n = -7.184 (0.007)
S+2p = -7.843 (0.010)
S+2n = -12.648 (0.005)
S+alpha = 6.475 (0.008)

gap p = 1.647 (0.014)
gap n = -1.427 (0.013)
gap 2p = 1.658 (0.011)
gap 2n = 0.570 (0.011)
gap alpha = -0.446 (0.010)