

^{188}Tl $Z = 81$ $N = 107$ adopted link ENSDF link

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

BE = 1476.374 (0.030) MeV

Qbeta+ = 7.862 (0.031) MeV

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

S-alpha=	-5.557	(0.037)			
188TL 1				0.000 (2-)	1 71 S 2
188TL 2	0.035	7+			2 71.5 S 15
188TL 3	0.138	6+			3 0.4 NS LT
188TL 4				0.185 (3+)	4 34 NS
188TL 5			0.304 9-		5 41 MS 4
188TL 6			0.337 10-		6 0.4 NS LT
188TL 7			0.610 11-		7
188TL 8				0.758	8
188TL 9			0.912 12-		9
188TL 10				1.061 (12-)	10

188TL 11			1.284 13-		11
188TL 12				1.309 (13-)	12

S-p	= 1.507	(0.033)			
188TL 13			1.624 14-		13
188TL 14				1.624	14
188TL 15				1.684 (14)	15
188TL 16				1.853	16
188TL 17				2.011 (15-)	17
188TL 18				2.303 (16-)	18

S-p	= 1.507	(0.033)			
S-n	= 7.963	(0.031)			
S-2p	= 5.199	(0.037)			
S-2n	= 18.596	(0.036)			
S-alpha=	-5.557	(0.037)			

S+p	= -2.797	(0.033)			
S+n	= -10.351	(0.031)			
S+2p	= -2.837	(0.037)			
S+2n	= -18.172	(0.031)			
S+alpha	= 6.377	(0.042)			

gap p	= -1.290	(0.046)			
gap n	= -2.388	(0.044)			
gap 2p	= 2.362	(0.052)			
gap 2n	= 0.424	(0.048)			
gap alpha	= 0.820	(0.056)			