

^{186}Tl $Z = 81$ $N = 105$ adopted link ENSDF link

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

BE = 1457.778 (0.021) MeV

Qbeta+ = 8.656 (0.024) MeV

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

S-alpha=	-5.996 (0.028)				
186TL 1				0.000 (2-)	1 3.4 S +5-4
186TL 2				0.040 (7+)	2 27.5 S 10
186TL 3				0.105 (4+)	3
186TL 4				0.129 (6+,7+,8+)	4 0.4 NS LE
186TL 5				0.215 (2-)	5
186TL 6				0.294 (3+)	6 11 NS 4
186TL 7				0.295	7
186TL 8				0.314	8
186TL 9				0.321	9
186TL 10				0.396	10

186TL 11				0.414 (10-)	11 3.32 S 11
186TL 12				0.481	12
186TL 13				0.507	13
186TL 14				0.690 (11-)	14
S-p	= 0.988 (0.025)				
186TL 15				1.011 (12-)	15
186TL 16				1.255 (13-)	16
186TL 17				1.363 (13-)	17
186TL 18				0.040 (7+)	18 27.5 S 10

S-p	= 0.988 (0.025)				
S-n	= 8.196 (0.029)				
S-2p	= 4.142 (0.030)				
S-2n	= 19.142 (0.023)				
S-alpha=	-5.996 (0.028)				

S+p	= -2.393 (0.021)				
S+n	= -10.633 (0.022)				
S+2p	= -1.890 (0.024)				
S+2n	= -18.596 (0.036)				
S+alpha	= 6.862 (0.030)				

gap p	= -1.405 (0.033)				
gap n	= -2.437 (0.037)				
gap 2p	= 2.252 (0.039)				
gap 2n	= 0.546 (0.043)				
gap alpha	= 0.866 (0.041)				