

^{185}Tl $Z = 81$ $N = 104$ adopted link ENSDF link

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

BE = 1449.582 (0.021) MeV

Qbeta+ = 6.426 (0.025) MeV

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

S-alpha=	-5.688 (0.029)				
185TL 1				0.000 (1/2+)	1 19.5 S 5
185TL 2				0.184 (1/2,3/2,5/2)	2
185TL 3				0.286 (3/2+)	3
185TL 4				0.455 (9/2-)	4 1.93 S 8
185TL 5				0.578 (11/2-)	5
S-p =	0.702 (0.023)				
185TL 6				0.771 (9/2-)	6
185TL 7				0.862 (11/2-)	7
185TL 8				0.983 (13/2-)	8
185TL 9				1.005 (13/2+)	9 8.32 NS 14
185TL 10				1.012	10

185TL 11				1.212 (17/2+)	11
185TL 12				1.287 (17/2-)	12
185TL 13				1.376	13
185TL 14				1.482 (21/2+)	14
185TL 15				1.666 (21/2-)	15
185TL 16				1.793	16
185TL 17				1.845 (25/2+)	17
185TL 18				2.119 (25/2-)	18
185TL 19				2.277	19
185TL 20				2.290 (29/2+)	20

185TL 21				2.642	21
185TL 22				2.807 (33/2+)	22
185TL 23				3.388 (37/2+)	23
185TL 24				4.010 (41/2+)	24
S-2p =	4.144 (0.023)				
185TL 25				4.672 (45/2+)	25
185TL 26				0.000 (1/2+)	26

S-p =	0.702 (0.023)				
S-n =	10.946 (0.023)				
S-2p =	4.144 (0.023)				
S-2n =	19.313 (0.023)				
S-alpha=	-5.688 (0.029)				

S+p =	-2.212 (0.023)				

S+n = -8.196 (0.029)
S+2p = -1.203 (0.023)
S+2n = -18.829 (0.022)
S+alpha = 7.268 (0.029)

gap p = -1.510 (0.033)
gap n = 2.749 (0.037)
gap 2p = 2.941 (0.032)
gap 2n = 0.484 (0.032)
gap alpha = 1.580 (0.041)