

¹⁹⁵Tl Z = 81 N = 114 adopted link ENSDF link

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

BE = 1538.692 (0.011) MeV

Qbeta+ = 2.858 (0.026) MeV

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

S-alpha=	-3.218	(0.012)	-----		
195TL 1	0.000	1/2+			1 1.16 H 5
195TL 2	0.384	3/2+			2
195TL 3			0.483	9/2-	3 3.6 S 4
195TL 4				0.778 (5/2+)	4
195TL 5				0.811	5
195TL 6			0.877	11/2-	6
195TL 7				1.080	7
195TL 8				1.174	9/2-,11/2-
195TL 9			1.190	13/2-	9
195TL 10				1.267	(1/2+,3/2+,5/2+)

195TL 11				1.285	11
195TL 12			1.361	11/2-	12
195TL 13				1.378	13
195TL 14				1.411	11/2-,13/2-
195TL 15				1.435	15
195TL 16			1.484	13/2-	16
195TL 17				1.613	(3/2+,5/2+,7/2+)
195TL 18				1.616	9/2-,11/2-,13/2-
195TL 19			1.619	15/2-	19
195TL 20				1.649	20

195TL 21				1.688	21
195TL 22				1.725	(13/2)+
195TL 23				1.844	23
195TL 24				1.845	24
195TL 25			1.924	17/2-	25
195TL 26			1.945	13/2-	26
195TL 27				1.991	11/2-,13/2-
195TL 28			2.011	17/2-	28
195TL 29				2.023	11/2-,13/2-,15/2
195TL 30				2.034	30

195TL 31	2.037	15/2+			31
195TL 32				2.115	32
195TL 33				2.145	(11/2,13/2,15/2)
195TL 34	2.213	17/2+			34
195TL 35				2.362	(11/2,13/2,15/2)
195TL 36				2.368	36

195TL	37				2.470		19/2-			37	
195TL	38		2.530				19/2+			38	
195TL	39								2.582	39	
195TL	40				2.587		21/2-			40	

195TL	41		2.841				21/2+			41	
195TL	42				2.861		23/2-			42	
195TL	43				3.060		25/2-			43	
195TL	44								3.157	27/2(-)	44
195TL	45		3.202				23/2+			45	
S-p	=		3.260		(0.012)	-----				
195TL	46		3.514				25/2+			46	
195TL	47		3.730				27/2+			47	
195TL	48								3.885	29/2(+)	48
195TL	49								4.003	31/2(+)	49
195TL	50								4.175	33/2(+)	50

195TL	51								4.393	35/2(+)	51

S-p = 3.260 (0.012)-----
S-n = 9.289 (0.018)-----
S-2p = 9.328 (0.014)-----
S-2n = 16.821 (0.013)-----
S-alpha= -3.218 (0.012)-----

S+p = -4.482 (0.014)
S+n = -7.413 (0.016)
S+2p = -6.110 (0.014)
S+2n = -16.341 (0.018)
S+alpha = 4.933 (0.015)

gap p = -1.221 (0.018)
gap n = 1.877 (0.024)
gap 2p = 3.219 (0.020)
gap 2n = 0.479 (0.022)
gap alpha = 1.715 (0.020)