

^{183}Tl $Z = 81$ $N = 102$ adopted link ENSDF link

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

BE = 1430.268 (0.009) MeV

Qbeta+ = 7.217 (0.012) MeV

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

S-alpha=	-5.976	(0.015)	-----		
183TL 1			0.000	(1/2+)	1 6.9 S 7
183TL 2			0.273	(3/2+)	2
S-p =	0.299	(0.014)	-----		
183TL 3			0.629	(9/2-)	3 53.3 MS 3
183TL 4			0.906	(11/2-)	4
183TL 5			0.928	(9/2-)	5
183TL 6			0.975	(13/2+)	6 1.48 US 10
183TL 7			1.028	(13/2-)	7
183TL 8			1.096	(11/2-)	8
183TL 9			1.135	(17/2+)	9
183TL 10			1.160	(13/2-)	10

183TL 11			1.333	(17/2-)	11
183TL 12			1.395	(21/2+)	12
183TL 13			1.442	(15/2-)	13
183TL 14			1.467	(15/2-)	14
183TL 15			1.597		15
183TL 16			1.669		16
183TL 17			1.714	(21/2-)	17
183TL 18			1.750	(25/2+)	18
183TL 19			1.855	(19/2-)	19
183TL 20			2.169	(25/2-)	20

183TL 21			2.188	(29/2+)	21
183TL 22			2.268		22
183TL 23			2.337	(23/2-)	23
183TL 24			2.345		24
183TL 25			2.689	(29/2-)	25
183TL 26			2.703	(33/2+)	26
183TL 27			2.883	(27/2-)	27
183TL 28			3.284	(37/2+)	28
S-2p =	3.294	(0.022)	-----		
183TL 29			3.316	(33/2-)	29
183TL 30			3.925	(41/2+)	30

S-p = 0.299 (0.014)

S-n = 11.331 (0.015)

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S-2p = 3.294 ( 0.022)-----  
S-2n = 19.931 ( 0.013)-----  
S-alpha= -5.976 ( 0.015)-----  
  
S+p = -1.753 ( 0.016)  
S+n = -8.367 ( 0.014)  
S+2p = -0.152 ( 0.009)  
S+2n = -19.313 ( 0.023)  
S+alpha = 7.779 ( 0.014)  
  
gap p = -1.454 ( 0.021)  
gap n = 2.964 ( 0.020)  
gap 2p = 3.143 ( 0.024)  
gap 2n = 0.618 ( 0.026)  
gap alpha = 1.803 ( 0.020)
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