

$^{210}\text{Tl}$        $Z = 81$        $N = 129$       adopted link      ENSDF link

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

BE = 1640.854 ( 0.012) MeV

Qbeta- = 5.482 ( 0.012) MeV

	Energy T	J+	J-	J-other	T1/2
-----					
S-alpha=	-2.482	( 0.206)			
210TL 1				0.000 (5+)	1 1.30 M 3
210TL 2				0.062 (4+)	2
210TL 3				0.254 (4+,5+)	3
210TL 4				0.335 (6+)	4
210TL 5				0.499 (4+,5+)	5
210TL 6				0.583 (3+)	6

S-p = 7.937 ( 0.209)-----

S-n = 3.673 ( 0.013)-----

S-2p = 17.830 ( 0.208)-----

S-2n = 8.639 ( 0.012)-----

S-alpha= -2.482 ( 0.206)-----

S+p = -8.535 ( 0.012)

S+n = -4.902 ( 0.044)

S+2p = -13.449 ( 0.012)

S+2n = -8.506 ( 0.212)

S+alpha = 5.621 ( 0.016)

gap p = -0.598 ( 0.210)

gap n = -1.229 ( 0.045)

gap 2p = 4.381 ( 0.209)

gap 2n = 0.133 ( 0.213)

gap alpha = 3.139 ( 0.207)