

^{193}Tl $Z = 81$ $N = 112$ adopted link ENSDF link

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

BE = 1521.871 (0.007) MeV

Qbeta+ = 3.585 (0.017) MeV

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

S-alpha=	-3.680	(0.021)			
193TL 1				0.000 1/2(+)	1 21.6 M 8
193TL 2				0.365 3/2(+)	2

S-p = 2.755 (0.017)-----
S-n = 9.676 (0.032)-----
S-2p = 8.257 (0.008)-----
S-2n = 17.337 (0.010)-----
S-alpha= -3.680 (0.021)-----

S+p = -4.020 (0.019)
S+n = -7.532 (0.015)
S+2p = -5.126 (0.009)
S+2n = -16.821 (0.013)
S+alpha = 5.365 (0.011)

gap p = -1.265 (0.025)
gap n = 2.145 (0.036)
gap 2p = 3.131 (0.012)
gap 2n = 0.516 (0.016)
gap alpha = 1.685 (0.024)