

^{178}Tl $Z = 81$ $N = 97$ adopted link ENSDF link

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

BE = 1377.898 (-0.178) MeV

Qbeta+ = 11.742 (0.178) MeV

	Energy T	J+	J-	J-other	T1/2
S-alpha=	-7.076	(-0.249)			
S-p =	-0.913	(-0.197)			
178TL	1			0.000	1 254 MS +11-9

S-p = -0.913 (-0.197)-----
S-n = 9.305 (-0.179)-----
S-2p = 0.630 (-0.181)-----
S-2n = 21.301 (-0.196)-----
S-alpha= -7.076 (-0.249)-----

S+p = -0.664 (-0.196)
S+n = -11.768 (-0.182)
S+2p = 0.000 (-0.000)
S+2n = -20.960 (-0.191)
S+alpha = 0.000 (-0.000)

gap p = -1.577 (0.278)
gap n = -2.463 (0.256)
gap 2p = 0.000 (0.000)
gap 2n = 0.341 (0.274)
gap alpha = 0.000 (0.000)