

^{53}Ti $Z = 22$ $N = 31$ adopted link ENSDF link

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

BE = 457.450 (0.003) MeV

Qbeta- = 4.970 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
53TI 1				0.000 (3/2)-	1 32.7 S 9
53TI 2				1.237 (5/2-)	2
53TI 3		1.576	7/2-		3
53TI 4		2.206	9/2-		4
53TI 5		2.498	11/2-		5
53TI 6		2.756	13/2-		6
53TI 7		3.143	15/2-		7
53TI 8				4.802 (17/2-)	8
S-n =	5.475 (0.004)	-----			
53TI 9				5.729 (17/2-)	9
53TI 10				6.057 (21/2-)	10
53TI 11				6.631	11
S-alpha=	8.006 (0.003)	-----			
53TI 12				8.132	12
53TI 13				0.000 (3/2-)	13

S-p = 13.647 (0.004)-----

S-n = 5.475 (0.004)-----

S-2p = 25.127 (0.003)-----

S-2n = 13.291 (0.003)-----

S-alpha= 8.006 (0.003)-----

S+p = -10.306 (0.012)

S+n = -6.934 (0.016)

S+2p = -22.807 (0.003)

S+2n = -11.094 (0.029)

S+alpha = -8.068 (0.003)

gap p = 3.341 (0.012)

gap n = -1.459 (0.017)

gap 2p = 2.320 (0.004)

gap 2n = 2.197 (0.029)

gap alpha = -0.062 (0.004)