

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

Based on ensdf_240402 (Apr 2024), 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

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)