

^{111}Tc $Z = 43$ $N = 68$ adopted link ENSDF link

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

BE = 931.300 (0.011) MeV

Qbeta- = 7.761 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
111TC 1				0.000 (5/2+)	1 290 MS 20
111TC 2				0.067 (7/2+)	2
111TC 3				0.199 (9/2+)	3
111TC 4				0.483 (11/2+)	4
111TC 5				0.575 (11/2+)	5
111TC 6				0.610 (13/2+)	6
111TC 7				0.888 (13/2+)	7
111TC 8				1.029 (15/2+)	8
111TC 9				1.162 (17/2+)	9
111TC 10				1.182 (15/2+)	10

111TC 11				1.706 (19/2+)	11
111TC 12				1.830 (21/2+)	12
111TC 13				2.554 (25/2+)	13
111TC 14				3.214 (29/2+)	14
111TC 15				3.952 (33/2+)	15

S-p = 11.778 (0.026)-----

S-n = 6.061 (0.014)-----

S-2p = 26.913 (0.431)-----

S-2n = 10.884 (0.014)-----

S-alpha= 7.726 (0.013)-----

S+p = -13.895 (0.014)

S+n = -4.306 (0.012)

S+2p = -24.320 (0.013)

S+2n = -9.929 (0.011)

S+alpha = -7.629 (0.013)

gap p = -2.117 (0.030)

gap n = 1.756 (0.019)

gap 2p = 2.593 (0.431)

gap 2n = 0.955 (0.018)

gap alpha = 0.096 (0.018)