

^{96}Tc $Z = 43$ $N = 53$ adopted link ENSDF link

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

BE = 827.027 (0.005) MeV
 Qbeta- = 0.259 (0.005) MeV
 Qbeta+ = 2.973 (0.005) MeV

	Energy T	J+		J-		J-other		T1/2
96TC 1	0.000	7+						1 4.28 D 7
96TC 2	0.034	4+						2 51.5 M 10
96TC 3						0.035 (2)+		3
96TC 4						0.036 (3)+		4
96TC 5	0.045	5+						5
96TC 6	0.049	6+						6
96TC 7						0.121 (2)-		7 25.6 NS +4-2
96TC 8	0.177	5+						8
96TC 9			0.227	3-				9 0.35 NS LT
96TC 10	0.229	4+						10
96TC 11	0.239	3+						11 0.35 NS LT
96TC 12						0.256 (2)+		12 0.35 NS LT
96TC 13						0.317 (3)-		13 2.0 NS +4-2
96TC 14	0.319	6+						14
96TC 15			0.322	3-				15
96TC 16			0.353	3-				16 0.35 NS LT
96TC 17						0.445 (3)+		17
96TC 18	0.458	3+						18
96TC 19						0.493 (3)+		19
96TC 20	0.506	5+						20
96TC 21						0.530 (4)+		21
96TC 22						0.530 (4)-		22
96TC 23	0.542	5+						23
96TC 24						0.548 (3)		24
96TC 25			0.552	4-				25
96TC 26						0.564 (3)+		26
96TC 27	0.566	5+						27
96TC 28						0.568 (3)-		28
96TC 29	0.575	7+						29
96TC 30						0.586 (4+)		30
96TC 31						0.620 (3)-		31
96TC 32						0.623 (4)+		32
96TC 33						0.627 (3)-		33
96TC 34			0.647	4-				34
96TC 35						0.656		35
96TC 36	0.721	6+						36

96TC 37				0.733	4-			37
96TC 38							0.740	38
96TC 39							0.750 (3)-	39
96TC 40		0.753	6+					40

96TC 41							0.789 (4)-	41
96TC 42							0.794 (4-)	42
96TC 43							0.801 4(-)	43
96TC 44							0.815 (4)+	44
96TC 45							0.816 (3)	45
96TC 46							0.821	46
96TC 47							0.822 (6)	47
96TC 48							0.828	48
96TC 49							0.840	49
96TC 50				0.867	4-			50

96TC 51		0.886	6+					51
96TC 52							0.910 4	52
96TC 53		0.927	9+					53
96TC 54							0.934 (3)+	54
96TC 55							0.942 (4,2)	55
96TC 56		0.947	8+					56
96TC 57							0.971 3	57
96TC 58				0.979	5-			58
96TC 59							0.981 (5)	59
96TC 60		1.041	7+					60

96TC 61							1.042 5	61
96TC 62							1.054 5,7	62
96TC 63		1.062	8+					63
96TC 64							1.066	64
96TC 65							1.072 (4,6)	65
96TC 66							1.103 5,7	66
96TC 67							1.118 (5+,6+,7+)	67
96TC 68		1.139	8+					68
96TC 69							1.140 (5)	69
96TC 70							1.149 (5)	70

96TC 71				1.152	6-			71
96TC 72							1.158 -	72
96TC 73							1.183 5	73
96TC 74							1.188 5	74
96TC 75							1.203 (6+)	75
96TC 76							1.212 (2,4)	76
96TC 77							1.255 (4)	77
96TC 78							1.271	78
96TC 79							1.290 4	79
96TC 80							1.294 (5)	80

96TC 81		1.314	5+					81

96TC 82				1.338	-	82
96TC 83				1.367	(4,2)	83
96TC 84				1.408	(4-)	84
96TC 85		1.438	3-			85
96TC 86		1.448	9+			86
96TC 87				1.482	(4)-	87
96TC 88				1.487	(8)	88
96TC 89				1.516	(7+,5)	89
96TC 90				1.536	-	90

96TC 91				1.557	(4,6)	91
96TC 92				1.596		92
96TC 93		1.597	6-			93
96TC 94				1.610		94
96TC 95				1.636		95
96TC 96				1.661		96
96TC 97				1.703	(10)+	97
96TC 98				1.767		98

S-alpha=	1.793	(0.005)	-----			
96TC 99				1.825	(+)	99
96TC 100				1.862	(9)+	100

96TC 101				1.884		101
96TC 102				1.923	(11)+	102
96TC 103				1.940	+	103
96TC 104				1.974	(8)	104
96TC 105				2.020		105
96TC 106				2.148	(11)+	106
96TC 107				2.214	(10)+	107
96TC 108				2.318	(12)+	108
96TC 109				2.398	(11)+	109
96TC 110				2.600	(13)+	110

96TC 111				2.643	(10)+	111
96TC 112				2.817		112
96TC 113				3.021	(12)+	113
96TC 114				3.291	(13+)	114
96TC 115				3.538	(15+)	115
96TC 116				3.547	(13)	116
96TC 117				3.779	(14+)	117
96TC 118				4.011	(17+)	118
96TC 119				4.121	(15+)	119
96TC 120				4.904	(17+)	120

96TC 121				5.186	(18+)	121

S-p	=	5.399	(0.005)	-----		
96TC 122				6.115	(19+)	122
96TC 123				6.390	(19+)	123
96TC 124				6.847	(20+)	124
96TC 125				7.187	(20+)	125

96TC 126			7.623	(21+)	126
S-n	=	7.872 (0.007)	-----		
96TC 127			8.043	(21,22)	127
96TC 128			8.755		128

S-p	=	5.399 (0.005)	-----		
S-n	=	7.872 (0.007)	-----		
S-2p	=	14.030 (0.005)	-----		
S-2n	=	17.806 (0.007)	-----		
S-alpha	=	1.793 (0.005)	-----		

S+p	=	-7.588 (0.006)
S+n	=	-9.474 (0.007)
S+2p	=	-11.932 (0.013)
S+2n	=	-16.753 (0.006)
S+alpha	=	-2.194 (0.019)

gap p	=	-2.189 (0.008)
gap n	=	-1.603 (0.010)
gap 2p	=	2.099 (0.014)
gap 2n	=	1.053 (0.009)
gap alpha	=	-0.401 (0.020)