

^{95}Tc $Z = 43$ $N = 52$ adopted link ENSDF link

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

BE = 819.156 (0.005) MeV

Qbeta+ = 1.690 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
95TC 1	0.000	9/2+			1 20.0 H 1
95TC 2			0.039 1/2-		2 61 D 2
95TC 3	0.336	7/2+			3
95TC 4	0.627	5/2+			4
95TC 5			0.647 3/2-		5 0.44 PS +90-19
95TC 6			0.668 5/2-		6
95TC 7	0.882	13/2+			7 1.2 PS +11-5
95TC 8	0.928	3/2+			8 589 FS GE
95TC 9	0.957	11/2+			9 1.3 PS +5-3
95TC 10				0.980 3/2+,5/2+	10
95TC 11				1.034 (1/2+)	11 53 FS +13-9
95TC 12				1.085 (5/2)+	12 347 FS GE
95TC 13	1.179	7/2+			13 0.37 PS +19-9
95TC 14				1.201 1/2-,3/2-	14
95TC 15				1.213 9/2	15
95TC 16			1.215 9/2-		16 624 FS GE
95TC 17				1.276 (3/2)+	17 69 FS +9-8
95TC 18				1.281 7/2(-)	18 134 FS +70-38
95TC 19	1.307	11/2+			19 173 FS +28-21
95TC 20				1.408 (5/2-,7/2-)	20
95TC 21				1.416 3/2,5/2(-)	21 492 FS GE
95TC 22	1.433	5/2+			22 57 FS +7-6
95TC 23	1.515	17/2+			23 5 NS LT
95TC 24	1.549	15/2+			24
95TC 25				1.619 (3/2+,5/2-)	25 0.22 PS +18-7
95TC 26				1.632 11/2	26 30 FS +9-7
95TC 27				1.639 (3/2-)	27 83 FS +25-18
95TC 28				1.691 5/2+,7/2+	28 136 FS +30-21
95TC 29				1.695 3/2+,5/2(-),7/2	29- 129 FS +36-18
95TC 30			1.702 13/2-		30
95TC 31				1.733 1/2-,3/2-	31
95TC 32				1.747 (5/2)+	32 44 FS +8-7
95TC 33				1.785 (7/2)+	33 40 FS 5
S-alpha=	1.808 (0.006)				
95TC 34				1.838 (7/2+,9/2+)	34
95TC 35				1.874 (7/2+,9/2+)	35
95TC 36				1.888 (5/2-)	36

95TC 37						1.920	(1/2-,3/2,5/2)	37	80 FS	+23-16
95TC 38						1.921	9/2	38	73 FS	+23-16
95TC 39		1.930	1/2+					39		
95TC 40						1.959	(5/2-)	40	596 FS	GE

95TC 41						1.979	3/2+,5/2+,7/2+	41	40 FS	+9-7
95TC 42						2.032	5/2+,7/2,9/2(-)	42	118 FS	+67-35
95TC 43		2.086	3/2+					43	34 FS	+16-11
95TC 44						2.118	(7/2+,9/2+)	44		
95TC 45						2.120	15/2(+)	45	0.20 PS	+7-5
95TC 46						2.164		46		
95TC 47		2.168	7/2+					47	50 FS	+11-9
95TC 48		2.184	19/2+					48	0.8 PS	+9-5
95TC 49						2.189	5/2+,7/2+	49	37 FS	+12-9
95TC 50						2.204	(3/2+,5/2+)	50		

95TC 51						2.211		51		
95TC 52						2.213	(17/2-)	52	1.4 PS	GE
95TC 53						2.220	(7/2+)	53		
95TC 54						2.231	(17/2+)	54	0.10 PS	3
95TC 55						2.237	(GE 5/2)	55		
95TC 56						2.241		56		
95TC 57						2.252	(7/2)+	57		
95TC 58						2.268	(7/2)+	58	0.22 PS	+52-11
95TC 59						2.318	(5/2+ TO 11/2+)	59		
95TC 60						2.324	5/2+,7/2+	60		

95TC 61						2.329	(3/2)+	61		
95TC 62						2.382	(5/2+,7/2+)	62		
95TC 63						2.410	(5/2+,7/2)	63		
95TC 64						2.454		64		
95TC 65						2.475		65		
95TC 66		2.547	21/2+					66	2.1 PS	+14-7
95TC 67						2.550	1/2-,3/2-	67		
95TC 68						2.556	(GE 5/2)	68		
95TC 69						2.696	3/2+,5/2+	69		
95TC 70						2.707	(15/2)	70		

95TC 71		2.780	1/2+					71		
95TC 72						2.830	3/2+,5/2+	72		
95TC 73						2.844	(23/2+)	73		
95TC 74						2.847		74		
95TC 75						2.906	(23/2+)	75	0.28 PS	7
95TC 76						2.938	(1/2+)	76		
95TC 77						3.001	(3/2+,5/2+)	77		
95TC 78						3.024	(21/2-)	78		
95TC 79						3.039	19/2	79	187 FS	+21-49
95TC 80						3.065	(17/2,19/2+)	80	0.28 PS	+6-7

95TC 81		3.119	1/2+					81		

95TC 82		3.210	1/2+					82
95TC 83						3.210	(21/2)+	83 0.38 PS +6-7
95TC 84		3.339	1/2+					84
95TC 85						3.401	3/2+,5/2+	85
95TC 86						3.490	3/2+,5/2+	86
95TC 87		3.516	25/2+					87 5 PS GT
95TC 88		3.520	1/2+					88
95TC 89						3.579	(23/2)	89
95TC 90						3.650	3/2+,5/2+	90

95TC 91						3.700		91
95TC 92		3.805	1/2+					92
95TC 93						3.822	(25/2-)	93
95TC 94		3.918	29/2+					94
95TC 95		3.920	1/2+					95
95TC 96						3.986	(3/2+,5/2+)	96
95TC 97		4.040	1/2+					97
95TC 98						4.082	23/2-,25/2-,27/	982-
95TC 99						4.110	(1/2+)	99
95TC 100						4.110		100

95TC 101						4.127	(29/2)-	101
95TC 102						4.180	3/2+,5/2+	102
95TC 103						4.254	3/2+,5/2+	103
95TC 104		4.293	27/2+					104
95TC 105						4.400	3/2+,5/2+	105
95TC 106						4.500	3/2+,5/2+	106
95TC 107		4.740	1/2+					107
95TC 108						4.784		108
S-p = 4.896 (0.005)	-----							
95TC 109						4.971	(29/2-)	109
95TC 110		5.220	1/2+					110

95TC 111		5.350	1/2+					111
95TC 112						5.367		112
95TC 113						5.599	(31/2+)	113
95TC 114						5.644	(29/2+)	114
95TC 115						5.729	(31/2+)	115
95TC 116						5.832	(33/2-)	116
95TC 117						5.905	(33/2+)	117
95TC 118						6.125		118
95TC 119						6.357		119
95TC 120						6.501		120

95TC 121						6.620	(35/2+)	121
95TC 122						6.668	(33/2+)	122
95TC 123						7.318	(35/2-)	123
95TC 124						7.921	(35/2-)	124
95TC 125						8.299	(35/2-)	125
95TC 126						8.540	(37/2-)	126

95TC 127				8.972	(33/2+)	127
95TC 128				9.149	(35/2+)	128
95TC 129				9.260	(41/2-)	129

S-p = 4.896 (0.005)-----
 S-n = 9.934 (0.007)-----
 S-2p = 13.387 (0.005)-----
 S-2n = 18.558 (0.005)-----
 S-alpha= 1.808 (0.006)-----

S+p = -7.348 (0.005)
 S+n = -7.872 (0.007)
 S+2p = -11.154 (0.036)
 S+2n = -17.346 (0.007)
 S+alpha = -1.988 (0.020)

gap p = -2.452 (0.007)
 gap n = 2.063 (0.010)
 gap 2p = 2.232 (0.036)
 gap 2n = 1.212 (0.008)
 gap alpha = -0.180 (0.021)