

^{93}Tc $Z = 43$ $N = 50$ adopted link ENSDF link

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

BE = 800.598 (0.001) MeV

Qbeta+ = 3.201 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
93TC 1	0.000	9/2+			1 2.75 H 5
93TC 2			0.392 1/2-		2 43.5 M 10
93TC 3				0.681 (7/2+)	3 35 NS LT
93TC 4				1.190 1/2-,3/2-	4
93TC 5				1.194 (GE7/2)	5 35 NS LT
93TC 6				1.408 (5/2-)	6 35 NS LT
93TC 7				1.434 (13/2)+	7 10 NS LT
93TC 8				1.503 1/2-,3/2-	8
93TC 9				1.516 (11/2)+	9
93TC 10				1.555	10
93TC 11				1.788 1/2-,3/2-	11
93TC 12				1.801 (7/2,9/2,11/2)	12
93TC 13				1.969 (5/2-,7/2,9/2-)	13
93TC 14				2.134 5/2-,7/2-	14
93TC 15				2.142	15
93TC 16				2.145 (13/2)-	16
93TC 17				2.185 (17/2)+	17 27 PS 5
93TC 18				2.185 (17/2)-	18 10.2 US 3
93TC 19				2.258 (7/2,9/2,11/2)	19
93TC 20				2.290	20
93TC 21				2.339	21
93TC 22				2.431 (1/2,3/2)-	22
93TC 23				2.490	23
93TC 24				2.535 (21/2)+	24 1.44 NS 9
93TC 25				2.563 3/2+,5/2+	25
93TC 26				2.631 (7/2,9/2,11/2)	26
93TC 27				2.710	27
93TC 28				2.840	28
93TC 29				3.100	29
93TC 30				3.150 (3/2+,5/2+)	30
93TC 31				3.214 3/2+,5/2+	31
93TC 32				3.281 (21/2-)	32 1.4 PS LT
93TC 33				3.353 3/2+,5/2+	33
93TC 34				3.580	34
93TC 35				3.888 (25/2-)	35 57.5 PS 21
93TC 36	3.897	1/2+			36
93TC 37				3.915 (7/2,9/2,11/2)+	37

93TC	38				3.928	(19/2+)	38			
93TC	39				3.950		39			
S-p = 4.086 (0.001)-----										
93TC	40		4.104		1/2+		40			

93TC	41				4.159	(7/2,9/2,11/2)+	41			
93TC	42				4.187	(7/2,9/2,11/2)+	42			
93TC	43				4.257	(21/2+)	43	3.3 PS	4	
93TC	44				4.344	(7/2,9/2,11/2)	44			
93TC	45				4.390	(7/2,9/2,11/2)+	45			
93TC	46				4.451		46			
93TC	47				4.609	(7/2,9/2,11/2)+	47			
93TC	48				4.619	(7/2,9/2,11/2)+	48			
93TC	49				4.669	(9/2,11/2)+	49			
93TC	50				4.761	(7/2,9/2,11/2)	50			

93TC	51				4.764	3/2+,5/2+	51			
93TC	52				4.775	(7/2,9/2,11/2)+	52			
93TC	53				4.900	3/2+,5/2+	53			
93TC	54				4.938	(7/2,9/2,11/2)+	54			
93TC	55				4.955	(7/2,9/2,11/2)+	55			
93TC	56				4.974	(25/2+)	56	0.90 PS	LT	
93TC	57				5.032	3/2+,5/2+	57			
93TC	58				5.076	(23/2+)	58	55 PS	LT	
93TC	59				5.176	3/2+,5/2+	59			
93TC	60				5.298	(7/2,9/2,11/2)+	60			

93TC	61				5.316	3/2+,5/2+	61			
S-alpha= 5.405 (0.024)-----										
93TC	62		5.490		1/2+		62			
93TC	63				5.492	(3/2+,5/2+)	63			
93TC	64				5.564	(25/2+)	64	6.9 PS	10	
93TC	65		5.620		1/2+		65			
93TC	66				5.648	3/2+,5/2+	66			
93TC	67		5.680		1/2+		67			
93TC	68				5.780	3/2+,5/2+	68			
93TC	69				5.830		69			
93TC	70		5.980		1/2+		70			

93TC	71				6.017	(27/2+)	71	62 PS	LT	
93TC	72				6.053	(25/2-)	72	0.55 PS	LT	
93TC	73				6.088	(29/2+)	73	104 PS	6	
93TC	74				6.106	1/2,3/2	74			
93TC	75				6.232		75			
93TC	76				6.366	1/2,3/2,5/2(-)	76			
93TC	77				6.373	(27/2-)	77	215 FS	14	
93TC	78				6.454	(29/2-)	78	0.55 PS	LT	
93TC	79				6.463	3/2	79			
93TC	80				6.469	5/2	80			

93TC 81				6.477	5/2,7/2	81		
93TC 82				6.531	3/2	82		
93TC 83				6.576	3/2	83		
93TC 84				6.596	(3/2)-	84		
93TC 85				6.600	1/2,3/2,5/2(-)	85		
93TC 86				6.671	(31/2+)	86	0.236 PS	28
93TC 87				6.857	(29/2-)	87	0.91 PS	5
93TC 88				7.160		88		
93TC 89				7.282	(33/2+)	89	0.42 PS	LT
93TC 90				7.373	(31/2-)	90	0.89 PS	8

93TC 91				7.650		91		
93TC 92				7.812	(35/2+)	92	0.62 PS	11
93TC 93				7.880	(33/2-)	93	0.28 PS	LT
93TC 94				8.100		94		
93TC 95		8.397	5/2+			95	15 EV	2
93TC 96				8.488	(35/2-)	96		
93TC 97				8.498	(35/2-)	97	0.41 PS	6
93TC 98				8.852	(37/2-)	98	0.71 PS	6
93TC 99				9.140	(37/2-)	99		
93TC 100		9.332	1/2+			100	36 EV	4

93TC 101				9.372	(37/2-)	101		
93TC 102				9.421	(39/2-)	102	2.6 PS	9
93TC 103				9.540		103		
93TC 104		9.780	7/2+			104		
93TC 105		9.898	3/2+			105	22 EV	2
93TC 106		9.948	7/2+			106		

S-p = 4.086 (0.001)-----
S-n = 12.752 (0.003)-----
S-2p = 11.546 (0.003)-----
S-2n = 23.762 (0.003)-----
S-alpha= 5.405 (0.024)-----

S+p = -6.266 (0.003)
S+n = -8.624 (0.004)
S+2p = -9.312 (0.004)
S+2n = -18.558 (0.005)
S+alpha = -1.416 (0.035)

gap p = -2.180 (0.003)
gap n = 4.128 (0.005)
gap 2p = 2.234 (0.005)
gap 2n = 5.204 (0.006)
gap alpha = 3.989 (0.043)