

$^{94}\text{Tc}$        $Z = 43$        $N = 51$       adopted link      ENSDF link

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

BE = 809.221 ( 0.004) MeV

Qbeta+ = 4.256 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
94TC 1	0.000	7+			1 293 M 1
94TC 2				0.076 (2)+	2 52.0 M 10
94TC 3				0.098 (3+)	3
94TC 4				0.103 (6+)	4 5 NS LT
94TC 5				0.212 (5+)	5 5 NS LT
94TC 6				0.244 (4+)	6
94TC 7				0.336 (2-)	7 1.5 NS 3
94TC 8	0.443	1+			8
94TC 9				0.478 (3-)	9
94TC 10				0.801 (2-)	10 0.27 PS +83-13
94TC 11				0.826 (2+)	11 0.103 PS 28
94TC 12				0.921 (3+)	12 0.063 PS 18
94TC 13				0.929 (4+)	13 0.07 PS 3
94TC 14				0.956 (3-)	14 0.17 PS 6
94TC 15	0.968	1+			15 0.074 PS 19
94TC 16				1.048 (3+)	16 0.054 PS 14
94TC 17				1.181 (2-,3-)	17
94TC 18				1.267 (3+)	18 0.07 PS +4-2
94TC 19				1.317 (4-)	19 0.07 PS 3
94TC 20				1.355 (3-)	20 0.08 PS +6-3
94TC 21				1.368 (2+)	21 0.075 PS 18
94TC 22				1.374 (9+)	22
94TC 23				1.397 (3-)	23 0.080 PS 21
94TC 24				1.410 (3+)	24 0.078 PS 21
94TC 25				1.432 (1+)	25 0.10 PS 4
94TC 26				1.448 (8+)	26
94TC 27				1.543 (3+)	27 0.066 PS 16
94TC 28				1.663	28
94TC 29				1.682 (2,3,4-)	29 0.044 PS 11
94TC 30				1.743	30
94TC 31				1.781 (3+)	31
94TC 32				1.860	32 0.04 PS +4-2
94TC 33				1.868 (3+)	33 0.044 PS 11
94TC 34				1.887	34
94TC 35				1.977	35
94TC 36				2.005	36
94TC 37				2.025	37

94TC 38				2.064	(11+)	38
94TC 39				2.067	(9-)	39
94TC 40				2.097		40
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94TC 41				2.135	(1+)	41
94TC 42				2.170		42
94TC 43				2.211	(1+)	43
94TC 44				2.217		44
94TC 45				2.244	(1-,2,3+)	45
94TC 46				2.254	(10-)	46
94TC 47				2.267	(1+)	47
94TC 48				2.271		48
94TC 49				2.310		49
94TC 50				2.347	(13+)	50 4.5 NS 6
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94TC 51				2.397		51
94TC 52				2.424	(11-)	52
94TC 53				2.504		53
94TC 54				2.719	(1+)	54
94TC 55				2.860		55
94TC 56				2.960	(3+)	56
94TC 57				3.014		57
94TC 58				3.082	(3+)	58
94TC 59				3.144	1+,2+,3+	59
94TC 60				3.187	1+,2+,3+	60
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94TC 61				3.261		61
94TC 62				3.310		62
94TC 63				3.363		63
94TC 64				3.431		64
94TC 65				3.457	(13-)	65
94TC 66				3.499		66
94TC 67				3.574		67
94TC 68				3.627	1+,2+,3+	68
94TC 69				3.677	1+,2+,3+	69
94TC 70				3.756		70
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94TC 71				3.792	(3+)	71
94TC 72				3.840	(3+)	72
94TC 73				3.889		73
S-alpha=	3.922	(	0.005)	-----		
94TC 74				3.956	(3+)	74
94TC 75				3.970	(14+)	75
94TC 76				4.036		76
94TC 77				4.062	(15-)	77
94TC 78				4.071	1+,2+,3+	78
94TC 79				4.132	(3+)	79
94TC 80				4.227	(3+)	80
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94TC 81				4.272		81

94TC 82				4.293	(15+)	82
94TC 83				4.356		83
94TC 84				4.427		84
94TC 85				4.547	(16-)	85
S-p	=	4.640	( 0.004)	-----		
94TC 86				4.767	(16-)	86
94TC 87				5.070		87
94TC 88				5.240		88
94TC 89				5.276	(17-)	89
94TC 90				5.284	(17-)	90
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94TC 91				5.292	(16-)	91
94TC 92				5.380		92
94TC 93				5.639	(18-)	93
94TC 94				5.652	(18-)	94
94TC 95				5.829	(18-)	95
94TC 96				6.454	(16-)	96
94TC 97				6.544	(19-)	97
94TC 98				6.554	(16-)	98
94TC 99				6.571	(16+)	99
94TC 100				6.624	(18-)	100
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94TC 101				6.758	(19-)	101
94TC 102				6.901	(20-)	102
94TC 103				6.974	(19-)	103
94TC 104				7.115	(17-)	104
94TC 105				7.728	(18-)	105
94TC 106				7.925	(20-)	106
94TC 107				8.022	(17+)	107
94TC 108				8.538	(21-)	108
94TC 109				8.559	(18+)	109
S-n	=	8.624	( 0.004)	-----		
94TC 110				9.120	(19+)	110
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94TC 111				9.186	(19+)	111
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S-p	=	4.640	( 0.004)	-----		
S-n	=	8.624	( 0.004)	-----		
S-2p	=	12.283	( 0.004)	-----		
S-2n	=	21.375	( 0.005)	-----		
S-alpha	=	3.922	( 0.005)	-----		
S+p	=	-6.588	( 0.010)			
S+n	=	-9.934	( 0.007)			
S+2p	=	-10.107	( 0.011)			
S+2n	=	-17.806	( 0.007)			
S+alpha	=	-1.442	( 0.013)			
gap p	=	-1.948	( 0.011)			

gap n = -1.311 ( 0.008)  
gap 2p = 2.176 ( 0.012)  
gap 2n = 3.569 ( 0.008)  
gap alpha = 2.480 ( 0.014)