

^{114}Te $Z = 52$ $N = 62$ adopted link ENSDF link

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

BE = 961.338 (0.024) MeV

Qbeta+ = 2.607 (0.031) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-1.528	(0.028)	-----		
114TE 1	0.000	0+			1 15.2 M 7
114TE 2	0.709	2+			2 2.83 PS 23
114TE 3				1.342 (1,2)+	3
114TE 4				1.348 (0+)	4
114TE 5	1.391	2+			5
114TE 6	1.484	4+			6 2.16 PS 21
114TE 7				1.794 (2+)	7
114TE 8				1.861 (0+)	8
114TE 9				1.950 (3+)	9
114TE 10				1.960 (3+)	10

114TE 11	2.027	4+			11
114TE 12	2.217	6+			12 1.90 PS 35
114TE 13				2.242	13
114TE 14				2.276	14
114TE 15				2.296	15
114TE 16				2.482	16
114TE 17	2.606	6+			17
114TE 18				2.695	18
114TE 19				3.008	19
114TE 20	3.088	8+			20 1.3 PS 5

114TE 21				3.121	21
114TE 22				3.144	22
114TE 23			3.154	7-	23
114TE 24	3.253	7+			24
114TE 25			3.279	8-	25 0.65 NS 10
114TE 26				3.301	26
114TE 27				3.346	27
114TE 28	3.508	8+			28
114TE 29			3.514	9-	29 29.8 PS 28
114TE 30				3.550	30

114TE 31	3.723	9+			31
114TE 32	3.881	10+			32
114TE 33	3.920	10+			33 23.4 PS 14
114TE 34				4.062 (10-)	34
114TE 35				4.304 (11-)	35
114TE 36	4.516	12+			36 2.9 PS 6

114TE	37		4.689	12+					37
S-p = 4.762 (0.030)-----									
114TE	38						4.824	(12-)	38
114TE	39						5.033	(13-)	39
114TE	40		5.253	14+					40

114TE	41						5.259	(14-)	41
114TE	42						5.309	(13-)	42
114TE	43		5.510	14+					43
114TE	44						5.635	(14-)	44
114TE	45						5.781	(15-)	45
114TE	46		5.945	16+					46
114TE	47						6.100	(15)	47
114TE	48		6.307	16+					48
114TE	49						6.426	(15-)	49
114TE	50						6.472	(16-)	50

114TE	51						6.600	(16-)	51
114TE	52		6.921	18+					52
114TE	53						6.925	(17-)	53
114TE	54						6.940	(17)	54
114TE	55		7.233	18+					55
114TE	56						7.359	(18-)	56
114TE	57						7.715		57
114TE	58						7.804	(19)	58
S-2p = 7.812 (0.024)-----									
114TE	59		7.816	20+					59
114TE	60		7.916	20+					60

114TE	61		8.203	20+					61
114TE	62						8.318	(20-)	62
114TE	63						8.514	(21+)	63
114TE	64						8.721	(21)	64
114TE	65						9.174	(23+)	65
114TE	66		9.217	22+					66
114TE	67						9.347	(22-)	67
114TE	68						9.670	(22)	68
114TE	69						9.723	(23)	69

S-p = 4.762 (0.030)-----									
S-n = 11.614 (0.037)-----									
S-2p = 7.812 (0.024)-----									
S-2n = 20.465 (0.026)-----									
S-alpha= -1.528 (0.028)-----									

S+p	=	-1.737	(0.038)						
S+n	=	-8.245	(0.037)						
S+2p	=	-5.735	(0.028)						
S+2n	=	-19.517	(0.034)						

S+alpha = 1.386 (0.027)

gap p = 3.024 (0.048)

gap n = 3.369 (0.052)

gap 2p = 2.077 (0.037)

gap 2n = 0.948 (0.043)

gap alpha = -0.142 (0.039)