

^{120}Te $Z = 52$ $N = 68$ adopted link ENSDF link

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

BE = 1017.238 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
120TE 1	0.000	0+			1 STABLE
S-alpha= 0.261 (0.002)					
120TE 2	0.560	2+			2 9.3 PS 19
120TE 3	1.103	0+			3
120TE 4	1.162	4+			4
120TE 5	1.201	2+			5
120TE 6	1.535	2+			6
120TE 7	1.613	0+			7
120TE 8	1.776	6+			8
120TE 9	1.815	4+			9
120TE 10	1.863	3+			10
120TE 11	1.924	2+			11
120TE 12				1.937	12
120TE 13			2.083 3-		13
120TE 14	2.201	6+			14
120TE 15				2.358	15
120TE 16				2.423	16
120TE 17				2.428	17
120TE 18				2.446	18
120TE 19	2.456	1+			19
120TE 20				2.461 3-,4-,5-	20
120TE 21	2.520	6+			21
120TE 22				2.567 3-,4-,5-	22
120TE 23	2.613	2+			23
120TE 24	2.653	8+			24
120TE 25				2.690 (2+)	25
120TE 26				2.749 (2+)	26
120TE 27				2.807	27
120TE 28				2.835 (8+)	28
120TE 29				2.878 (6)-	29
120TE 30				2.899 (7)-	30
120TE 31	2.937	2+			31
120TE 32				2.940 (7)+	32
120TE 33				2.964 2+,3+	33
120TE 34				3.031 (7)-	34
120TE 35				3.036 (4+)	35
120TE 36				3.039 (8)+	36
120TE 37				3.052 2,3	37

120TE 38						3.123		38
120TE 39						3.131	(9)+	39
120TE 40						3.136	(2,3)+	40

120TE 41						3.142	(8-)	41
120TE 42						3.163	1+,2+,3+	42
120TE 43						3.256	3,4+	43
120TE 44						3.286	(2,3)+	44
120TE 45						3.342	2+,3	45
120TE 46						3.364	(10+)	46
120TE 47						3.366	1,2,3	47
120TE 48		3.372		2+				48
120TE 49						3.374	(9-)	49
120TE 50						3.400	(9-)	50

120TE 51						3.487	(10+)	51
120TE 52		3.494		2+				52
120TE 53						3.544	(10+)	53
120TE 54						3.567		54
120TE 55						3.666	(2,3)+	55
120TE 56						3.672		56
120TE 57						3.766	(2+,3+)	57
120TE 58						3.814	(10-)	58
120TE 59		3.881		11+				59
120TE 60						3.887	(2+,3+)	60

120TE 61						4.086	(11-)	61
120TE 62						4.093	(12+)	62
120TE 63						4.460	(12+)	63
120TE 64						4.503	(12-)	64
120TE 65						4.815		65
120TE 66						4.819	(14+)	66
120TE 67						5.345	(16+)	67
120TE 68						6.039		68

S-p = 7.176 (0.007)-----
S-n = 10.251 (0.007)-----
S-2p = 12.287 (0.002)-----
S-2n = 17.814 (0.018)-----
S-alpha= 0.261 (0.002)-----

S+p = -4.173 (0.005)
S+n = -7.252 (0.026)
S+2p = -10.571 (0.011)
S+2n = -17.094 (0.002)
S+alpha = -0.730 (0.002)

gap p = 3.003 (0.009)
gap n = 2.999 (0.027)

gap 2p = 1.716 (0.011)
gap 2n = 0.720 (0.019)
gap alpha = -0.469 (0.003)