

^{112}Te $Z = 52$ $N = 60$ adopted link ENSDF link

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

BE = 940.873 (0.008) MeV

Qbeta+ = 4.031 (0.020) MeV

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

S-alpha=	-2.078	(0.010)	-----		
112TE 1	0.000	0+			1 2.0 M 2
112TE 2	0.689	2+			2
112TE 3	1.476	4+			3
112TE 4				1.484 (2+)	4
112TE 5				2.262 (5)	5
112TE 6	2.298	6+			6
112TE 7	2.620	6+			7
112TE 8				2.839	8
112TE 9	3.362	8+			9
112TE 10				3.454 (8-)	10

112TE 11				3.512	11
112TE 12				3.630 (9-)	12
112TE 13				3.786	13
112TE 14				3.959 (9-)	14
S-p	= 4.020	(0.012)	-----		
112TE 15				4.109 (10-)	15
112TE 16	4.226	10+			16
112TE 17				4.239	17
112TE 18				4.329 (11-)	18
112TE 19				4.425	19
112TE 20	4.460	10+			20

112TE 21	4.827	12+			21
112TE 22				4.865 (12-)	22
112TE 23				5.041	23
112TE 24				5.124 (13-)	24
112TE 25	5.212	12+			25
112TE 26				5.433 (14-)	26
112TE 27	5.540	14+			27
112TE 28				5.753	28
112TE 29				5.874 (15-)	29
112TE 30	5.971	14+			30

112TE 31	6.294	16+			31
S-2p	= 6.303	(0.016)	-----		
112TE 32				6.439 (16-)	32
112TE 33				6.709 (17+)	33
112TE 34	6.772	16+			34

112TE 35						6.905	(17-)	35
112TE 36						6.951	(17-)	36
112TE 37						7.029	(17-)	37
112TE 38		7.252	18+					38
112TE 39						7.565	(18-)	39
112TE 40		7.634	18+					40

112TE 41						7.858		41
112TE 42						7.912	(19-)	42
112TE 43						8.117	(19-)	43
112TE 44		8.168	20+					44
112TE 45		8.212	20+					45
112TE 46						8.491	(21)	46
112TE 47		8.563	20+					47
112TE 48						8.904	(21-)	48
112TE 49		9.087	20+					49
112TE 50		9.191	22+					50

112TE 51		9.493	21+					51
112TE 52		9.561	22+					52
112TE 53						9.711	(23-)	53
112TE 54						9.755	(23-)	54
112TE 55		9.958	22+					55

S-p = 4.020 (0.012)-----
S-n = 12.051 (0.011)-----
S-2p = 6.303 (0.016)-----
S-2n = 21.480 (0.011)-----
S-alpha= -2.078 (0.010)-----

S+p = -0.841 (0.012)
S+n = -8.851 (0.029)
S+2p = -4.096 (0.014)
S+2n = -20.465 (0.026)
S+alpha = 2.096 (0.015)

gap p = 3.179 (0.017)
gap n = 3.200 (0.031)
gap 2p = 2.207 (0.021)
gap 2n = 1.015 (0.028)
gap alpha = 0.018 (0.018)