

^{135}Te $Z = 52$ $N = 83$ adopted link ENSDF link

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

BE = 1126.675 (0.002) MeV

Qbeta- = 6.050 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
135TE 1				0.000 (7/2-)	1 19.0 S 2
135TE 2				0.659 (3/2-)	2
135TE 3				1.083 (1/2-)	3
135TE 4				1.127 (5/2-)	4
135TE 5				1.180 (11/2-)	5 0.3 NS LE
135TE 6				1.246 (9/2-)	6
135TE 7				1.380 (7/2-,9/2)	7
135TE 8				1.400	8
135TE 9				1.442 (5/2-,7/2,9/2-	9)
135TE 10				1.505 (15/2-)	10 0.6 NS LE
135TE 11				1.555 (19/2-)	11 0.511 US 20
135TE 12				1.654 (5/2-)	12
135TE 13				1.702 (7/2-,9/2,11/2	13-)
135TE 14				1.837 (3/2-,5/2-)	14
135TE 15				2.016 (17/2-)	15
135TE 16				2.018 (3/2-,5/2,7/2-	16)
135TE 17				2.109 (13/2+)	17
135TE 18				2.194 (3/2-:9/2-)	18
135TE 19				2.208 (19/2-)	19
135TE 20				2.339 (3/2-:9/2-)	20
135TE 21				2.371 (7/2-,9/2-)	21
135TE 22				2.377 (3/2-,5/2,7/2-)	22
135TE 23				2.449 (7/2-,9/2)	23
135TE 24				2.569 (5/2,7/2,9/2)	24
135TE 25				2.602 (1/2:7/2-)	25
135TE 26				2.640 (21/2-)	26
S-alpha=	2.889 (0.004)				
135TE 27				3.122 (7/2-,9/2,11/2-	27)
135TE 28				3.150	28
135TE 29				3.164	29
135TE 30				3.233 (25/2+)	30 4 NS LT
S-n	= 3.266 (0.003)				
135TE 31				3.313	31
135TE 32				3.471 (21/2+)	32
135TE 33				3.775	33
135TE 34				4.023 (19/2-)	34
135TE 35				4.062 (21/2,23/2,25/2	35+)

135TE 36				4.342	(25/2,27/2,29/2	36+)
135TE 37				4.393	(21/2-)	37
135TE 38				4.591	(27/2+)	38
135TE 39				4.799	(23/2-)	39
135TE 40				5.080	(9/2+)	40

135TE 41				5.170	(25/2-)	41
135TE 42				5.470	(9/2+)	42
135TE 43				5.525	(27/2-)	43
135TE 44				5.641	(31/2-)	44
135TE 45				5.650	(7/2+)	45
135TE 46				5.790	(29/2-)	46
135TE 47				6.010	(7/2+)	47
135TE 48				6.080	(7/2+)	48
135TE 49				6.109	(31/2-)	49
135TE 50				6.152	(27/2-,29/2,31/2	50+)

135TE 51				6.170	(5/2+)	51
135TE 52				6.240	(7/2+)	52
135TE 53				6.383	(31/2:35/2-)	53
135TE 54				6.455	(33/2-)	54
135TE 55				6.669	(35/2-)	55

S-p = 10.999 (0.004)-----
S-n = 3.266 (0.003)-----
S-2p = 21.433 (0.003)-----
S-2n = 10.934 (0.003)-----
S-alpha= 2.889 (0.004)-----

S+p = -9.105 (0.014)
S+n = -4.768 (0.003)
S+2p = -19.233 (0.002)
S+2n = -7.718 (0.003)
S+alpha = -0.341 (0.003)

gap p = 1.893 (0.015)
gap n = -1.501 (0.004)
gap 2p = 2.200 (0.003)
gap 2n = 3.217 (0.004)
gap alpha = 2.548 (0.005)