

^{136}Te $Z = 52$ $N = 84$ adopted link ENSDF link

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

BE = 1131.443 (0.002) MeV

Qbeta- = 5.120 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
136TE 1	0.000	0+			1 17.63 S 9
S-alpha=	0.304 (0.003)				
136TE 2	0.607	2+			2 21.6 PS 41
136TE 3	1.030	4+			3 70 PS 10
136TE 4	1.383	6+			4
136TE 5				1.568 (2+)	5
136TE 6				1.905 (1,2+)	6
136TE 7				2.033 (1,2+)	7
136TE 8				2.044 (0+,1,2)	8
136TE 9				2.061 (1,2+)	9
136TE 10	2.132	8+			10
136TE 11				2.212 (0+,1,2)	11
136TE 12				2.573 (0+,1,2)	12
136TE 13				2.633 (0+,1,2)	13
136TE 14	2.792	10+			14
136TE 15				2.801 (0+,1,2)	15
136TE 16				2.821 (0,1,2)	16
136TE 17				3.187 (12+)	17
136TE 18				3.340 (8,9,10+)	18
136TE 19				3.583 (0+,1,2)	19
136TE 20				3.714 (0+,1,2)	20
136TE 21				3.720 (14+)	21
S-n =	4.768 (0.003)				
136TE 22				4.794 (14,15,16+)	22
136TE 23				5.160	23

S-p = 12.024 (0.003)

S-n = 4.768 (0.003)

S-2p = 22.569 (0.004)

S-2n = 8.034 (0.004)

S-alpha= 0.304 (0.003)

S+p = -9.220 (0.009)

S+n = -2.950 (0.003)

S+2p = -20.125 (0.004)

S+2n = -7.413 (0.004)

S+alpha = -0.986 (0.003)

gap p = 2.804 (0.009)
gap n = 1.818 (0.004)
gap 2p = 2.445 (0.005)
gap 2n = 0.621 (0.006)
gap alpha = -0.682 (0.004)