

^{137}Te $Z = 52$ $N = 85$ adopted link ENSDF link

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

BE = 1134.392 (0.002) MeV

Qbeta- = 7.052 (0.009) MeV

	Energy T	J+	J-	J-other	T1/2
137TE 1				0.000 (7/2-)	1 2.49 S 5
137TE 2				0.608 (11/2-)	2
S-alpha=	0.855 (0.003)	-----			
137TE 3				1.101 (13/2-)	3
137TE 4				1.141 (15/2-)	4
137TE 5				1.477 (17/2-)	5
137TE 6				1.724 (19/2-)	6
137TE 7				1.996 (21/2-)	7
137TE 8				2.490 (23/2-)	8
137TE 9				2.732 (25/2-)	9
S-n =	2.950 (0.003)	-----			
137TE 10				3.075 (27/2-)	10
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137TE 11				3.273 (29/2-)	11
137TE 12				3.627 (31/2-)	12

S-p = 12.086 (0.006)-----
 S-n = 2.950 (0.003)-----
 S-2p = 23.250 (0.004)-----
 S-2n = 7.718 (0.003)-----
 S-alpha= 0.855 (0.003)-----

S+p = -9.965 (0.006)
 S+n = -4.464 (0.004)
 S+2p = -20.919 (0.003)
 S+2n = -7.044 (0.004)
 S+alpha = -1.318 (0.004)

gap p = 2.120 (0.009)
 gap n = -1.514 (0.005)
 gap 2p = 2.331 (0.005)
 gap 2n = 0.673 (0.005)
 gap alpha = -0.464 (0.005)