

^{175}Tm $Z = 69$ $N = 106$ adopted link ENSDF link

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

BE = 1410.809 (0.050) MeV

Qbeta- = 2.385 (0.050) MeV

	Energy T	J+	J-	J-other	T1/2
175TM 1				0.000 (1/2+)	1 15.2 M 5
175TM 2				0.003 (3/2+)	2
175TM 3				0.124 (5/2+)	3
175TM 4				0.131 (7/2+)	4
S-alpha= 0.218 (0.602)-----					
175TM 5				0.358 (9/2+)	5
175TM 6				0.439 (7/2-)	6
175TM 7				0.532 (9/2-)	7
175TM 8				0.611 (3/2+)	8
175TM 9				0.639 (11/2-)	9
175TM 10				0.672 (5/2+)	10

175TM 11				0.756 (7/2+)	11
175TM 12				0.870 (9/2+)	12
175TM 13				0.941 (15/2-)	13
175TM 14				1.004	14
175TM 15				1.072	15
175TM 16				1.146 (7/2+,3/2+)	16
175TM 17				1.212 (7/2-,5/2+)	17
175TM 18				1.291	18
175TM 19				1.368 (7/2+)	19
175TM 20				1.423 (5/2+)	20

175TM 21				1.495 (7/2-,5/2+)	21
175TM 22				1.583	22
175TM 23				1.706 (5/2+)	23
175TM 24				1.744	24
175TM 25				1.810 (7/2+)	25
175TM 26				1.916 (7/2-)	26
175TM 27				1.985 (5/2+)	27
175TM 28				2.013	28
175TM 29				2.056	29
175TM 30				2.095 (11/2-)	30

175TM 31				2.216	31
175TM 32				2.310	32

S-p = 7.673 (0.352)-----

S-n = 6.517 (0.067)-----

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S-2p = 17.467 ( 0.350)-----  
S-2n = 12.197 ( 0.050)-----  
S-alpha= 0.218 ( 0.602)-----  
  
S+p = -8.470 ( 0.050)  
S+n = -5.132 ( 0.112)  
S+2p = -14.651 ( 0.050)  
S+2n = -11.386 ( 0.184)  
S+alpha = 0.827 ( 0.050)  
  
gap p = -0.797 ( 0.355)  
gap n = 1.385 ( 0.130)  
gap 2p = 2.816 ( 0.353)  
gap 2n = 0.811 ( 0.191)  
gap alpha = 1.044 ( 0.604)
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