

$^{162}\text{Tb}$        $Z = 65$        $N = 97$       adopted link      ENSDF link

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

BE = 1322.580 ( 0.002) MeV

Qbeta- = 2.302 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
162TB 1			0.000 1-		1 7.60 M 15
162TB 2			0.039 2-		2
162TB 3			0.097 3-		3
162TB 4			0.176 4-		4
162TB 5			0.216 4-		5
162TB 6			0.268 5-		6
162TB 7			0.310 5-		7
162TB 8				0.341 (0-,1)	8
162TB 9				0.389	9
162TB 10				0.434 (5)-	10
162TB 11	0.442	1+			11
162TB 12				0.475	12
162TB 13				0.521	13
162TB 14				0.550 (6)-	14
162TB 15				0.570 (6)+	15
162TB 16				0.616	16
162TB 17				0.657 (7)+	17
162TB 18				0.727 +	18
162TB 19				0.777 (8)+	19
162TB 20				0.829 +	20
162TB 21				0.894 +	21
162TB 22				0.925 +	22
162TB 23				0.967 +	23
162TB 24				0.995 +	24
162TB 25				1.033 +	25
S-alpha=	1.034 ( 0.003)				
162TB 26				1.069	26
162TB 27				1.108 +	27
162TB 28				1.128	28
162TB 29				1.167	29
162TB 30				1.186	30
162TB 31				1.222	31
162TB 32				1.264	32
162TB 33				1.292	33
162TB 34				1.337	34
162TB 35				1.358	35
162TB 36				1.387	36

162TB	37				1.424	37
162TB	38				1.444	38
162TB	39				1.479	39
162TB	40				1.515	40

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S-p    =  7.662 ( 0.003)-----
S-n    =  6.489 ( 0.002)-----
S-2p   = 16.964 ( 0.002)-----
S-2n   = 14.186 ( 0.002)-----
S-alpha=  1.034 ( 0.003)-----

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S+p    = -7.790 ( 0.002)
S+n    = -6.788 ( 0.005)
S+2p   = -13.679 ( 0.002)
S+2n   = -12.368 ( 0.003)
S+alpha =  0.384 ( 0.002)

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gap p   = -0.128 ( 0.003)
gap n   = -0.299 ( 0.005)
gap 2p  =  3.285 ( 0.003)
gap 2n  =  1.818 ( 0.004)
gap alpha =  1.418 ( 0.004)

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