

$^{165}\text{Tb}$        $Z = 65$        $N = 100$       adopted link      ENSDF link

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

BE = 1341.504 ( 0.002) MeV

Qbeta- = 3.023 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
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165Tb 1				0.000 (3/2+)	1 2.11 M 10

S-p = 8.184 ( 0.002)-----

S-n = 6.555 ( 0.002)-----

S-2p = 18.593 ( 0.002)-----

S-2n = 12.136 ( 0.004)-----

S-alpha= 1.222 ( 0.011)-----

S+p = -9.285 ( 0.002)

S+n = -5.291 ( 0.002)

S+2p = -16.268 ( 0.005)

S+2n = -11.437 ( 0.002)

S+alpha = -0.632 ( 0.020)

gap p = -1.100 ( 0.003)

gap n = 1.264 ( 0.003)

gap 2p = 2.325 ( 0.006)

gap 2n = 0.699 ( 0.005)

gap alpha = 0.590 ( 0.023)