

^{166}Tb $Z = 65$ $N = 101$ adopted link ENSDF link

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

BE = 1346.795 (0.001) MeV

Qbeta- = 4.776 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
166TB	1			0.000 (2-)	1 25.1 S 21
166TB	2			0.040 (-)	2
166TB	3			0.159	3
166TB	4			0.695	4
166TB	5			1.015	5

S-p = 8.572 (0.002)-----

S-n = 5.291 (0.002)-----

S-2p = 19.155 (0.003)-----

S-2n = 11.847 (0.002)-----

S-alpha= 1.511 (0.002)-----

S+p = -9.392 (0.004)

S+n = -6.146 (0.002)

S+2p = -16.828 (0.030)

S+2n = -11.115 (0.004)

S+alpha = -0.854 (0.050)

gap p = -0.820 (0.005)

gap n = -0.854 (0.003)

gap 2p = 2.326 (0.030)

gap 2n = 0.732 (0.005)

gap alpha = 0.657 (0.050)