

## **$^{165}\text{Tb}$**

In the article “Identification of a new isotope,  $^{165}\text{Tb}$ ” Greenwood et al. discovered  $^{165}\text{Tb}$  at the Idaho National Engineering Laboratory in 1983 ([1983Gr02](#)).  $^{165}\text{Tb}$  was produced in spontaneous fission of  $^{252}\text{Cf}$  and  $\gamma$ -ray spectra were measured with a Ge(Li) spectrometer following chemical separation. “A previously unreported isotope,  $^{165}\text{Tb}$ , has been identified, and its half-life has been measured to be  $2.11 \pm 0.10$  min.”

Adapted from reference ([2013Ma01](#))

[1983Gr02](#) R. C. Greenwood, R. J. Gehrke, J. D. Baker, D. H. Meikrantz, and C. W. Reich, *Phys. Rev. C* **27**, 1266 (1983).

[2013Ma01](#) E. May and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 1 (2013).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”