

## **<sup>168</sup>Tb**

“ $\beta$ -decay half-lives of new neutron-rich isotopes <sup>167,168</sup>Tb and levels in <sup>167,168</sup>Dy” was published in 1999 by Asai et al. documenting the observation of <sup>168</sup>Tb ([1999As03](#)). A <sup>238</sup>U target was bombarded with 20 MeV protons from the JAERI tandem accelerator. Fission fragments were separated by mass with a gas-jet coupled to a thermal ion source and identified by measuring  $\beta$ - and  $\gamma$ -ray singles and coincidences. “ $\beta$ -decay half-lives of new neutron-rich isotopes <sup>167</sup>Tb and <sup>168</sup>Tb have been determined to be 19.4(27) s and 8.2(13) s, respectively.”

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

[1999As03](#) M. Asai, S. Ichikawa, K. Tsukada, M. Sakama *et al.*, Phys. Rev. C **59**, 3060 (1999).

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

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