

## <sup>91</sup>Tc

Iafigliola et al. reported the first observation of <sup>91</sup>Tc in the 1974 paper “The Mass Excesses of <sup>91</sup>Tc and <sup>90</sup>Tc” ([1974Ia01](#)). Targets of enriched <sup>92</sup>Mo were bombarded with 30 and 40 MeV protons using the McGill University synchrocyclotron. <sup>91</sup>Tc was identified by measuring  $\beta$ -rays with a plastic scintillator. “The <sup>91</sup>Tc ground state decays with a half-life of  $3.12 \pm 0.05$  min, and has been assigned a  $J^\pi$  of  $9/2^+$ .”

Adapted from reference ([2012Ny02](#))

- [1974Ia01](#) R. Iafigliola, S. C. Gujrathi, B. L. Tracy, and J. K. P. Lee, *Can. J. Phys.* **52**, 96 (1974).
- [2012Ny02](#) A. Nystrom and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 95 (2012).

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