^{194}Tl

In the 1960 paper "Low mass odd-odd isomers of thallium", Jung and Andersson described the discovery of ^{194}Tl (1960Ju01). Hg_2Cl_2 targets were bombarded with 80−90 MeV protons from the Uppsala synchro-cyclotron. ^{194}Tl was produced in (p,xn) reactions and identified by mass separation following chemical separation. "Thus the only conclusion we can draw is that, within the limits of error, the ground state and the 7+ isomeric state of Tl^{194} have the same half-life, (33.0±0.5) min and (32.8±0.2) min, respectively."

Adapted from reference (2013Fr04)

1960Ju01 B. Jung and G. Andersson, Nucl. Phys. **15**, 108 (1960).
2013Fr04 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (2013).

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