

### <sup>197</sup>Pb-1

Isomerism was first established in <sup>197</sup>Pb by G.Andersson et al. in 1957 at the University of Uppsala in Sweden, by measuring a 234 keV  $\gamma$ -ray transition ([1957An53](#)) from the previously known ( $T_{1/2} = 42(3)$  m) state ([1955An01](#)). This establishes the isomeric state. The earlier measurement of the half-life of this state represents the discovery of <sup>197</sup>Pb ([2013Fr04](#)).

- [1955An01](#) G. Andersson, E. Arberman, I. Bergstrom, and A. H. Wapstra, Phil. Mag. **46**, 70 (1955).  
[1957An53](#) G. Andersson, E. Arberman, and B. Jung, Ark. Fys. **11**, 297 (1957).  
[2013Fr04](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (2013).

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