

## <sup>178</sup>Hg

In 1971, Hansen et al. discovered <sup>178</sup>Hg in “The Alpha Decay of <sup>179</sup>Hg and <sup>178</sup>Hg” (1971Ha03). A lead target was bombarded with 600 MeV protons by the synchrotron at CERN. <sup>178</sup>Hg was separated and identified with the the isotope-separator-on-line facility ISOLDE by measuring  $\alpha$  energies and half-lives. “The assignment of the 6425 keV line to <sup>178</sup>Hg cannot be doubted since all conceivable contaminants have lower alpha energies.”

Adapted from reference (2011Me01)

1971Ha03 P. G. Hansen, B. Jonson, J. Zylicz, M. Alpsten *et al.*, Nucl. Phys. A **160**, 445 (1971).

2011Me01 D. Meierfrankenfeld, A. Bury, and M. Thoennessen, At. Data Nucl. Data Tables **97**, 134 (2011).

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