

## <sup>256</sup>Es

In 1981, Lougheed et al. from Lawrence Livermore National Laboratory discovered <sup>256</sup>Es as reported in “Two new isotopes with N = 157: <sup>256</sup>Es and <sup>255</sup>Cf” (1981Lo15). A beryllium foil containing <sup>255</sup>Es was irradiated by neutrons in the core of the Livermore Pool-Type Reactor and einsteinium was then chemically separated: “... we have identified ... <sup>256</sup>Es with a half life of 25±2.4 min. Our identification is based on chemical identification of the elements and on the known nuclear properties of their daughters.” Indirect evidence for the existence of <sup>256</sup>Es had been shown in 1955 in the production of <sup>256</sup>Fm by neutron capture on <sup>255</sup>Es (1955Ch30). This half-life has been assigned to an isomeric state in the NUBASE2020 evaluation (2021Ko07) and the ground state was measured eight years later by Hall et al. (1989Ha10).

Adapted from reference (2011Me01)

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