

## <sup>235</sup>Pa

In the 1950 article “Extension of alpha- and beta-decay systematics of protactinium isotopes,” Meinke and Seaborg reported the discovery of <sup>235</sup>Pa ([1950Me08](#)). <sup>238</sup>U was bombarded with 19 MeV deuterons and 9.5 MeV protons from the Berkeley 60-in. cyclotron. Beta-decay curves were measured following chemical separation. “These observations are consistent with the assignment of the 23.7-min. activity to Pa<sup>235</sup>, produced in the reactions U<sup>238</sup>(d,αn)Pa<sup>235</sup> and U<sup>238</sup>(p,α)Pa<sup>235</sup>.”

Adapted from reference ([2013Fr03](#))

[1950Me08](#) W. W. Meinke and G. T. Seaborg, Phys. Rev. **78**, 475 (1950).

[2013Fr03](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 345 (2013).

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