

¹¹⁶Cs

In the 1975 paper “New Delayed-Proton Emitters ¹¹⁹Ba, ¹²¹Ba and ¹¹⁶Cs” Bogdanov et al. reported the discovery of ¹¹⁶Cs ([1975Bo11](#)). The U-300 cyclotron of the Nuclear Reactions Laboratory at Dubna accelerated a ³²S beam to a maximum energy of 190 MeV bombarding a target of natural zirconium enriched with ⁹²Mo. “In [the figure] we have shown the delayed-proton spectrum of ¹¹⁶Cs and the decay curve, from which it follows that $T_{1/2} = 3.9 \pm 0.4$ sec.” Less than a month later Ravn et al. independently submitted their result on ¹¹⁶Cs measuring a half-life of 3.6(2)s ([1975Ra03](#)). The ground state of 0.65(10) s was first observed two years later by Bogdanov et al. ([1977Bo28](#)).

Adapted from reference ([2012Ma48](#))

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