

## $^{236}\text{Ac}$

In the 2010 paper “Discovery and investigation of heavy neutron-rich isotopes with time-resolved Schottky spectrometry in the element range from thallium to actinium”, Chen et al. described the discovery of  $^{236}\text{Ac}$  (2010Ch19). A beryllium target was bombarded with a 670 MeV/u  $^{238}\text{U}$  beam from the GSI heavy-ion synchrotron SIS and projectile fragments were separated with the fragment separator FRS. The mass and half-life of  $^{236}\text{Ac}$  was measured with time-resolved Schottky Mass Spectrometry in the storage-cooler ring ESR. “In this experiment the new isotopes of  $^{236}\text{Ac}$ ,  $^{224}\text{At}$ ,  $^{221}\text{Po}$ ,  $^{222}\text{Po}$ , and  $^{213}\text{Tl}$  were discovered.” The half-life of  $^{72}_{-33}{}^{345}\text{s}$  was listed in a table.

Adapted from reference (2013Fr03)

2010Ch19 L. Chen, W. R. Plass, H. Geissel, R. Knobel *et al.*, Phys. Lett. B **691**, 234 (2010).

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

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