

^{236}Pa

Wolzak and Morinaga reported the observation of ^{236}Pa in the 1963 article “Protactinium-236” (1963Wo04). Uranium was bombarded with 26 MeV deuterons from the cyclotron in Amsterdam, Netherlands. Products were chemically separated then β -rays were measured with an anthracene crystal and low energy electromagnetic radiations were measured with a beryllium window NaI crystal. “On the basis of the assumption that this component is due to the decay of ^{236}Pa , the $^{238}\text{U}(\text{d},\alpha)^{236}\text{Pa}$ -reaction cross-section was calculated to be roughly of the order of 100 μb . This value is considered to be reasonable for this reaction. We are therefore inclined to assign the 12-minute activity to ^{236}Pa .”

Adapted from reference (2013Fr03)

1963Wo04 G. Wolzak and H. Morinaga, *Radiochim. Acta* **1**, 225 (1963).

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

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