

²¹⁶Ra

“In-beam alpha spectroscopy of N=128 isotones. Lifetimes of ²¹⁶Ra and a new isotope ²¹⁷Ac” reported the observation of ²¹⁶Ra in 1972 by Nomura et al. (1972No06). 91 MeV ¹⁴N from the IPCR cyclotron in RIKEN was used to bombard a target of ²⁰⁸Pb. Alpha particles were detected with a surface barrier Si detector. “Time distributions of the ground-state decay of ²¹⁶Ra and ²¹⁷Ac are shown in [the figure], from which half-lives of ²¹⁶Ra and ²¹⁷Ac have been determined of $0.18 \pm 0.03 \mu\text{s}$ and $0.10 \pm 0.01 \mu\text{s}$, respectively.”

Adapted from reference (2013Fr09)

1972No06 T. Nomura, K. Hiruta, T. Inamura, and M. Odera, Phys. Lett. B **40**, 543 (1972).

2013Fr09 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 497 (2013).

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