

⁷⁷Kr

⁷⁷Kr was discovered by Woodward et al. in 1948 at Ohio State University. Discovery of the isotope was reported in the paper “Radioactive Kr Isotopes” (1948Wo07). Enriched samples of ⁷⁴Se and ⁷⁶Se were bombarded by α -particles, and β^+ and β^- radiation was measured; “... a strong β^+ -activity of 1.1-hour half-life was observed in the enriched Se⁷⁴ sample but not in the enriched Se⁷⁶ sample.” Thus ⁷⁷Kr was formed in the reaction ⁷⁴Se(α ,n). The measured half-life was 1.1 h.

Adapted from reference (2010He02)

1948Wo07 L. L. Woodward, D. A. McCown, and M. L. Pool, Phys. Rev. **74**, 761 (1948).

2010He02 M. Heim, A. Fritsch, A. Schuh, A. Shore, and M. Thoennessen, At. Data Nucl. Data Tables **96**, 333 (2010).

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