# $^{67}$Ga

The first identification of $^{67}$Ga was reported by Alvarez in "Electron capture and internal conversion of gallium 67" in 1938 (1938Al04). Deuterons bombarded zinc targets and X-rays, $\gamma$ rays, and electrons were measured following chemical separation. "The activity, of 83 hours half-life, has the chemical properties of Ga, as shown by the solubility of its chloride in ether. It has been assigned to $Ga^{67}$ by Mann, who bombarded Zn with alpha-particles, and separated Ga by chemical means." The reference to Mann mentioned in the quote reported a 55 h half-life in a conference abstract (1938Ma02). Mann later corrected this value to 79 h (1938Ma01).

Adapted from reference (2012Gr19)


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