

⁶⁰Zn

⁶⁰Zn was discovered by Lindner and Brinkman in their 1955 paper “Zinc 60 and Zinc 61” ([1955Li39](#)). Nickel foils were irradiated with 52 MeV α -particles from the Philips’ cyclotron at the Instituut voor Kernfysisch Onderzoek in Amsterdam. The reaction products were chemically separated and decay curves were recorded using a γ -liquid counter and a β counter. “According to these experiments we conclude to the formation of the Zn isotopes ⁶⁰Zn and ⁶¹Zn by the reactions ⁵⁸Ni(α ,n)⁶¹Zn, ⁵⁸Ni(α ,2n)⁶⁰Zn and perhaps some ⁶⁰Ni(α ,3n)⁶¹Zn, the latter two reactions being absent with 15 MeV He²⁺-ions.” The reported half-life for ⁶⁰Zn was 2.1(1) min.

Adapted from reference ([2012Gr02](#))

- [1955Li39](#) L. Lindner and G. A. Brinkman, *Physica* **21**, 747 (1955).
[2012Gr02](#) J. L. Gross, J. Claes, J. Kathawa, and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 75 (2012).

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