

⁶⁹Cu

Van Klinken et al. published the discovery of ⁶⁹Cu in the 1966 paper “Decay of a New Isotope: Cu⁶⁹” (1966Va12). Bremsstrahlung from the 70-MeV Iowa State synchrotron irradiated enriched ⁷⁰Zn targets. Beta- and gamma-ray spectra were recorded to identify ⁶⁹Cu produced in photo-nuclear reactions. “The half-life of Cu⁶⁹ was first measured by following the decay rate for different parts of the beta-ray spectrum and for prominent lines in the NaI(Tl) gamma-ray spectrum. Our estimate from these data is $T_{1/2} = 2.8 \pm 0.3$ min.”

Adapted from reference (2012Ga06)

1966Va12 J. Van Klinken, A. J. Bureau, G. W. Eakins, and R. J. Hanson, Phys. Rev. **150**, 886 (1966).

2012Ga06 K. Garofali, R. Robinson, and M. Thoennessen, At. Data Nucl. Data Tables **98**, 356 (2012).

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