

## <sup>67</sup>Ge

In the 1950 paper “Spallation products of arsenic with 190 MeV deuterons” Hopkins identified <sup>67</sup>Ge ([1950Ho26](#)). A pure <sup>75</sup>As target was bombarded with 190 MeV deuterons from the Berkeley 184-inch cyclotron. X-rays and  $\beta$ -rays were recorded following chemical separation. “The use of improved chemical separations and counting techniques has enabled the identification of 38 nuclear species among the elements from chromium through selenium.” The half-life of 21 min for <sup>67</sup>Ge was listed in a table. The nominal half-lives listed in the table were quoted from the 1948 Table of Isotopes ([1948Se40](#)) which referred to unpublished data by Hopkins. A previously reported half-life of 195 d tentatively assigned to <sup>67</sup>Ge ([1938Ma01](#)) was incorrect.

Adapted from reference ([2012Gr19](#))

- [1938Ma01](#) W. B. Mann, Phys. Rev. **54**, 649 (1938).  
[1948Se40](#) G. T. Seaborg and I. Perlman, Rev. Mod. Phys. **20**, 585 (1948).  
[1950Ho26](#) H. H. Hopkins, Phys. Rev. **77**, 717 (1950).  
[2012Gr19](#) J. L. Gross and M. Thoennessen, At. Data Nucl. Data Tables **98**, 983 (2012).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”