

## <sup>19</sup>C

In 1974, <sup>19</sup>C was observed by Bowman et al. in “Detection of neutron-excess isotopes of low-Z elements produced in high-energy nuclear reactions” (1974Bo05). A uranium target was bombarded with 4.8 GeV protons from the Berkeley Bevatron and fragments were identified by  $\Delta$ -E vs E, and time-of-flight measurements in a silicon telescope. “The mass-yield histograms show the existence of all previously known particle-stable nuclei in this region except for <sup>9</sup>C. In addition, two new nuclei, <sup>14</sup>Be and <sup>17</sup>B, are clearly observed and the stability of <sup>19</sup>C can be confirmed.” Bowman et al. do not take credit for the discovery of <sup>19</sup>C referring to a previous conference proceeding (1970RaZB).

Adapted from reference (2012Th01)

- 1970RaZB G. M. Raisbeck, P. Boerstling, P. W. Riesenfeldt, R. Klapisch *et al.*, Proc. Int. Conf. High Energy Phys. Nucl. Struct. , 3rd, Columbia University, New York (1969).
- 1974Bo05 J. D. Bowman, A. M. Poskanzer, R. G. Korteling, and G. W. Butler, Phys. Rev. C **9**, 836 (1974).
- 2012Th01 M. Thoennessen, At. Data Nucl. Data Tables **98**, 43 (2012).

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