

## <sup>17</sup>Ne

In the 1964 paper entitled “Delayed proton emission following the decay of Ne<sup>17</sup>” McPherson, Hardy, and Bell reported the first direct observation of <sup>17</sup>Ne (1964Mc16). A target containing fluorine was bombarded with 40–80 MeV protons from the McGill synchrocyclotron and <sup>17</sup>Ne was produced in the <sup>19</sup>F(p,3n) reaction. Delayed charged particles were measured with a silicon surface-barrier detector mounted on a probe which was inserted into the circulating proton beam. “Consequently we adopt the value 103±7 ms for the half life of Ne<sup>17</sup>.” The delayed proton peaks had previously been observed by Barton et al. (1963Ba63) and Karnaukov et al.(1963Ka36), however, they did not extract any information about <sup>17</sup>Ne. Also, a half-life of 690±30 ms reported by D’Auria and Preiss (1964Da13) only two weeks earlier was shown to be incorrect. The present assignment was changed from the initial compilation (2012Th01).

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