^{21}Mg

In "Delayed protons following ^{21}Mg and ^{25}Si decay" McPherson and Hardy reported the first direct observation of ^{21}Mg in 1965 (1965Mc01). Magnesium and sodium targets were bombarded in the internal proton beam of the McGill synchrocyclotron forming ^{21}Mg in the reactions ^{24}Mg(p,d2n) and ^{23}Na(p,3n), respectively. "Typical four-point decay curves appear in (the figure) ad represent the decay of individual proton lines as indicated. Similar curves have been obtained for other prominent energy peaks and, together with the three illustrated, allow us to adopt the value (118±4) msec for the half-life of ^{21}Mg." The delayed proton peaks had previously been observed by Barton et al. (1963Ba63), however, they did not extract any information about ^{21}Mg. The present assignment was changed from the initial compilation (2012Th10).

1963Ba63 R. Barton, R. McPherson, R. E. Bell, W. R. Frisken *et al.*, Can. J. Phys. **41**, 2007 (1963).

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