^{73}Sr

In the 1993 publication "Beta-delayed proton decay of ^{73}Sr" Batchelder et al. reported the observation of ^{73}Sr (1993Ba61). A natural calcium target was bombarded with a 245 MeV ^{36}Ar beam from the Berkeley 88-inch cyclotron and ^{73}Sr was produced in the fusion-evaporation reaction ^{40}Ca(^{36}Ar,3n). The reaction products were transported with a He-jet system onto a rotating wheel which was viewed by two Si-Si detector telescopes. Beta-delayed protons were recorded: "This spectrum clearly shows a peak containing 21 counts at 3.77±0.05 MeV, which, as discussed below, we assign to the β-delayed proton decay of ^{73}Sr."

Adapted from reference (2012Pa21)

1993Ba61 J. C. Batchelder, D. M. Moltz, T. J. Ognibene, M. W. Rowe *et al.*, Phys. Rev. C **48**, 2593 (1993).

2012Pa21 A. M. Parker and M. Thoennessen, At. Data Nucl. Data Tables **98**, 812 (2012).

Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"