^{62}Ga

Chiba et al. identified ^{62}Ga in their 1978 paper, "Superallowed fermi beta transitions of ^{62}Ga" (1978Ch11). 36−52 MeV protons from the Tokyo synchrocyclotron bombarded a natural zinc target. ^{62}Ga was produced in the reaction ^{64}Zn(p,3n) and β-activities were measured with a plastic scintillator. "The obtained data points were analyzed with a least squares fitting program by taking into account the following three components: a 20-msec ^{12}B, an unknown ^{62}Ga, and a constant long lived background activity. The resulting decay curve is shown in [the figure], and a value of $T_{1/2}$ = 116.4±1.5 msec was obtained for the half-life of ^{62}Ga."

Adapted from reference (2012Gr19)

1978Ch11 R. Chiba, S. Shibasaki, T. Numao, H. Yokota *et al.*, Phys. Rev. C **17**, 2219 (1978).

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