^{58}Ni(^{76}Ge,X) 2003So21,2005GaZR

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja	NDS 207,1 (2026)	1-Apr-2023

2003So21,2005GaZR (thesis): ^{69}Co ions produced by fragmentation of ^{76}Ge $^{30+}$ beam on a ^{58}Ni target at 61.8 MeV/nucleon. Nuclei separated by LISE3 achromatic spectrometer at GANIL, and identified by three consecutive Si detectors where two were used for energy loss and tof measurements while the third was used to determine their residual energies. 2005GaZR (thesis) determined $T_{1/2}$ from correlations between implanted nuclei and beta decay. Half-lives determined by fitting procedure involving five parameters: half-lives of mother, daughter and grand-daughter nuclei, β-efficiency and background rate.

^{69}Co Levels

E(level)	$T_{1/2}$	Comments
0.0	232 ms *17*	$T_{1/2}$: From time distribution of β(^{69}Co implant) correlated events (2005GaZR).