

⁵⁸Ni(⁷⁶Ge,X) [2003So21](#)

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

[2003So21,2005GaZR](#) (thesis): ⁶⁹Fe produced by fragmentation of ⁷⁶Ge³⁰⁺ beam on a ⁵⁸Ni 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 time-of-flight measurements while the third was used to determine their residual energies. Measured isotopic T_{1/2} from correlations between implanted nuclei and β decay.

[2003So02](#): ⁶⁹Fe produced by fragmentation of ⁷⁶Ge³⁰⁺ beam on a ⁵⁸Ni target at 61.8 MeV/nucleon. Nuclei separated by LISE3 achromatic spectrometer at GANIL.

⁶⁹Fe Levels

<u>E(level)</u>	<u>T_{1/2}</u>	<u>Comments</u>
0.0	109 ms 9	T _{1/2} : From decay-time curve measurement (2003So21).