

⁷⁰Ge(γ ,n) 2021Ha10

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

2021Ha10: Photon-induced measurements were performed with bremsstrahlung photons from the Madison Accelerator Laboratory (MAL) at James Madison University. Enriched ⁷⁰Ge target was irradiated with these bremsstrahlung photons with endpoint energy of 15 MeV. Gammas were detected with a HPGe detector, enclosed into an ultra low-background lead shield. Measured E γ , γ (t) and T_{1/2}.

⁶⁹Ge Levels

E(level)	J $^{\pi}$	T _{1/2}	Comments
0	5/2 ⁻	38.82 h 8	J $^{\pi}$: from the Adopted Levels. T _{1/2} : Deduced from decay curves for the 574.11 γ , 871.98 γ and 1106.77 γ . Activity was counted for over 6 half-lives. 38.82 h 7 (stat) 4 (syst) reported by 2021Ha10 is the weighted average of 38.68 h 13 (stat) 2 (syst), 38.76 h 23 (stat) 3 (syst), and 38.90 h 9 (stat) 1 (syst). 38.82 h 8 is the combined uncertainties in quadrature.