

$^9\text{Be}(^{76}\text{Ge},\text{X})$ 1999Pr10

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

Includes W($^{76}\text{Ge},\text{X}$) and W($^{76}\text{Se},\text{X}$).

[1999Pr10](#),[1998PrZY](#): ^{69}Ni produced by fragmentation of 70 MeV/nucleon ^{76}Ge beam on Be target using the A1200 separator at NSCL, MSU. β delay γ measured with two thin plastic scintillators and two large-volume Ge detectors. Isomer identified with $T_{1/2}$ of 3.4 s 7 at E=321 keV.

[1985Bo49](#): ^{69}Ni produced and identified in W($^{76}\text{Ge},\text{X}$) reaction at 11.5 MeV/nucleon followed by mass separation at GSI facility. Measured γ , β , $\beta\gamma$ coin, isotopic half-life using Ge and Si detectors and plastic scintillators. $T_{1/2}$ from $\beta\gamma$ coincidence data on the decay of 205 γ , 680 γ and 1213 γ .

[1985Ru05](#): ^{69}Ni produced by irradiation of W target with 11.4 MeV/nucleon ^{76}Se beam followed by on-line mass separation. Measured E γ , I γ , $T_{1/2}$, $\beta\gamma$ coincidences using 4 π plastic β and Ge detectors.

 ^{69}Ni Levels

E(level)	J $^{\pi}$	$T_{1/2}$	Comments
0.0	(9/2 $^{+}$)	11.7 s 6	$T_{1/2}$: From decay curve of the beta delayed gamma (680-keV) (1999Pr10). Others: 11.4 s 3 (1985Bo49), 10 s 3 (1985Ru05). Configuration= $\nu 1g_{9/2}$.
321 2	(1/2 $^{-}$)	3.4 s 7	E(level): from Adopted Levels. $T_{1/2}$: From decay curve of the beta delayed gamma (1296-keV) (1999Pr10). Configuration= $\nu(p_{1/2}^{-1})$.