

$^{73}\text{Ge}(\gamma,\gamma)$:Mossbauer [1974Ra05](#),[1987Ma51](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 158, 1 (2019)	16-May-2019

[1974Ra05](#), [1975Pf02](#), [1977Pf02](#), [1983Pf02](#): ^{73}Ge activities were produced from electron capture decay of ^{73}As at Bell Laboratories.

Measured Mossbauer spectra using a high-resolution Si(Li) detector (240 eV at 5.9 keV).

[1987Ma51](#): measured Mossbauer isomer shift of 69-keV transition.

[1969Se06](#): measured Mossbauer effect of 69-keV transition following Coulomb excitation. See also Zimmermann et al., Physica Status Solidi 27, 639 (1968).

[1968Cz01](#) (also [1967Cz01](#),[1966Cz01](#)): measured Mossbauer effect following Coulomb excitation; measured $T_{1/2}$ of 68.7 level.

[1997Mc04](#): E=13.26 keV, measured x-ray induced Mossbauer spectra.

 ^{73}Ge Levels

E(level) [†]	J ^π [†]	T _{1/2}	Comments
0.0	9/2 ⁺		
13.3	5/2 ⁺	2.91 μs 3	T _{1/2} : from Adopted Levels.
68.8	7/2 ⁺	1.86 ns 10	T _{1/2} : from Mossbauer Γ (1968Cz01).

[†] From Adopted Levels.

 $\gamma(^{73}\text{Ge})$

E _{γ} [†]	E _i (level)	J _i ^π	E _f	J _f ^π
13.3	13.3	5/2 ⁺	0.0	9/2 ⁺
68.8	68.8	7/2 ⁺	0.0	9/2 ⁺

[†] Rounded value from Adopted Gammas.

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Level Scheme

