

$^{69}\text{Ga}(\text{d},\text{p}\gamma)$ 1971Ar12,1976Ta09

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal, E. A. Mccutchan		NDS 136, 1 (2016)	1-Jul-2016

1971Ar12: E(d)=7 MeV. Measured $E\gamma$, p- γ coincidences using coaxial Ge detector and surface-barrier detector.

1976Ta09: E(d)=5 MeV. Measured $\gamma(\theta,\text{H},\text{t})$ using Ge(Li) detector.

 ^{70}Ga Levels

E(level)	J^π [†]	Comments
0.0	1 ⁺	
508.4 5	2 ⁺	
651.2 5	1 ⁺ ,2 ⁺	
691.2 5	2 ⁻	
878.7 10	4 ⁻	g=-0.066 25 g: from TDPAD in 1976Ta09.

[†] From the Adopted Levels.

 $\gamma(^{70}\text{Ga})$

E_γ [†]	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ [†]	$E_i(\text{level})$	J_i^π	E_f	J_f^π
^x 154.6 5					^x 278.1 6				
^x 159.1 5					^x 317.9 6				
187.5 2	878.7	4 ⁻	691.2	2 ⁻	^x 342.9 6				
^x 199.2 5					508.4 3	508.4	2 ⁺	0.0	1 ⁺
^x 202.9 5					651.2 [‡] 2	651.2	1 ⁺ ,2 ⁺	0.0	1 ⁺
^x 212.3 6					691.2 2	691.2	2 ⁻	0.0	1 ⁺

[†] From 1971Ar12. All γ rays were observed in coincidence with protons.

[‡] Placement of transition in the level scheme is uncertain.

^x γ ray not placed in level scheme.

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Legend

Level Scheme

-----► γ Decay (Uncertain)