

$^{69}\text{Ga}(\text{p},\alpha)$ 1967Ka11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 111, 1093 (2010)	3-Mar-2009

Target $J^\pi=3/2^-$.

E(p)=10 MeV, FWHM $\approx$ 10-15 keV; measured relative σ at $\theta=140^\circ$.

 ^{66}Zn Levels

E(level) [†]	S [‡]	E(level) [†]	S [‡]	E(level) [†]	S [‡]	E(level) [†]	S [‡]
0	0.3	3225 5	0.4	3739 @ 2		4081 2	0.2
1041 2	1.3	3230 5	0.3	3747 @ 5		4089 2	0.6
1871 2	1.2	3332 # 2	0.7	3752 @ 10		4116 2	1.9
2371 2	0.2	3382 2	0.4	3794 2	0.4	4181 @ 2	
2450 2	1.8	3433 2	0.7	3809 # 2	0.7	4188 @ 10	
2704 2	1.1	3509 2	0.9	3824 5	0.4	4223 2	0.4
2766 2	0.8	3522 2	0.7	3874 @ 5		4258 @ 2	
2778 2	0.9	3533 5	0.3	3881 @ 5		4265 @ 10	
2828 2	0.9	3578 2	0.8	3901 5	0.4	4295 2	0.2
2941 2	0.7	3673 2	1.3	3926 # 2	0.7	4322 @ 2	
3080 2	0.9	3691 2	0.8	3946 2	1.3	4327 @ 10	
3107 # 2	0.1	3712 2	0.5	3969 2	0.8	4392 2	1.8
3215 5	0.7	3726 2	0.5	4021 2	0.7		

[†] Average values from one $^{69}\text{Ga}(\text{p},\alpha)$ and two $^{66}\text{Zn}(\text{p},\text{p}')$ experiments.

[‡] Relative σ is given. Uncertainty not specified.

Possible doublet.

@ Component of multiplet for which no separate σ has been determined.