

$^{73}\text{Ge}(\text{p,d})$ 1973Fo01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 111,1 (2010)	1-May-2009

Target $J^\pi=9/2^+$.

E=20 MeV, solid-state counter telescope, FWHM=30-40 keV $\sigma(\theta)$, $15^\circ-65^\circ$, DWBA.

 ^{72}Ge Levels

E(level)	L [†]	C ² S	Comments
0	4	0.52	
691		<0.003	E(level): from Adopted Levels.
830 5	2	0.04	
1455 5	2	0.01	
1723 5	4	0.23	
2049 10	2	0.01	
2505 5	1+4	0.19+0.19	E(level): mixed L implies doublet.
2754 15	1	0.05	
2936 10	3	0.11	
3035 15	3	0.22	
3077 15			
3119 15	1	0.06	
3228 10	1	0.06	
3316 10	1	0.09	
3398 5			L: L=1+3 with C ² S=0.28+0.50 or L=1+4 with C ² S=0.28+0.60.
3554 10	1+3	0.07+0.18	
3659 5			L: L=1+3 with C ² S=0.32+1.28 or L=1+4 with C ² S=0.32+1.41.
3754 [‡] 5	1+3 [#]	0.38+0.90 [#]	
3804 [‡] 5	1+4 [#]	0.36+1.14 [#]	
3890 10	3	1.23	
3965 10	1+3	0.15+0.50	
4047 10	1+3	0.24+0.53	
4194 5	1	0.27	
4339 5			L: L=1+3 with C ² S=0.37+0.51 or L=1+4 with C ² S=0.37+0.55.
4458 5	1	0.27	

[†] From comparison of angular distributions with DWBA results.

[‡] These two levels form a doublet.

[#] L=1+3 with S=0.38+0.90 or L=1+4 with S=0.36+1.14 are deduced for the combined peaks.