

$^{70}\text{Ge}(t,p)$ 1979Mo08,1979Le07

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

E=15 MeV, FWHM \approx 20 keV, multiangle spectrograph, $\sigma(E(p),\theta)$, 3.75 $^{\circ}$ –86.25 $^{\circ}$, DWBA (1979Mo08).

E=17 MeV, resolution \approx 15-20 keV, Q3D spectrometer, $\sigma(\theta)$, 10 $^{\circ}$ –60 $^{\circ}$, DWBA (1979Le07).

 ^{72}Ge Levels

E(level) [†]	L [‡]	Comments
0	0	
688 3	0	Angular distribution not fitted by DWBA in 1979Le07.
834 3	2	
1461 3		
1709 5	(0)	Identified only in 1979Mo08.
1729 3	4	
2029 3	0	
2400 3	(4+2)	L: (2) in 1979Le07.
2463 3	(4)	
2514 3	3	
2754 5	0	
2898 5	0	
2946 5	3	
3035 5	2	
3071 5	4	
3127 5	(5)+(0)	L: (5) in 1979Le07.
3327 5	(2+4)	Angular distribution not fitted by single L, found sizable L=4 component. (2 ⁺) from (p,t) reaction.
3403 5	(4)	
3427 5	4	
3517 5	(4)	
3579 5	0	
3612 5	2	
3652 5	(5)+(2)	
3687 5	2	
3775 5	(0+2)	
3840 5	4	
3882 5	2	E(level): unseparated doublet.
3966 5	2	
3998 5	(0+2)	
4027 5	4	

[†] Average from 1979Le07 and 1979Mo08, levels above 3127 are from 1979Mo08.

[‡] From DWBA analysis (1979Mo08).