

$^{66}\text{Zn}(\text{d},\text{n})$  1970Co17

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Huang Xiaolong, J. K. Tuli		NDS 106, 159 (2005)	1-Apr-2005

E=10 MeV, measured  $\sigma(\theta)$ ,  $\theta=18^\circ-70^\circ$ , DWBA analysis.

Others: [1968Ok07](#), [1968Le20](#).

 $^{67}\text{Ga}$  Levels

E(level)	$J^\pi^\dagger$	L	$S^\ddagger$	Comments
0	$3/2^-$	1	1.44	
167 15	$1/2^-$	1	1.13	
358 15	$5/2^-$	3	5.03	
826 15	$3/2^-$	1	0.42	
1076 15	$1/2^-$	1	0.20	
1196 15		4+(1)		S: 0.32 for L=4, $J^\pi=9/2^+$ ; 0.015 for L=(1), $J^\pi=(1/2^-)$ .
1408 15				
1545 15	$5/2^-$	3	0.71	
1806 15		1+3		S: 0.06 for L=1, $J^\pi=1/2^-$ ; 0.13 for L=3, $J^\pi=5/2^-$ .
2070 15	$9/2^+$	4	4.62	
2181 15				
2533 15	$1/2^-$	1	0.08	
2748 15	$5/2^+$	2	0.21	
2851 15	$5/2^+$	2	0.29	
3071? 15				
3199? 15				
3370? 15	$(5/2^+)$	(2)	(0.08)	

$^\dagger$  Assumed to extract spectroscopic factors.

$^\ddagger$   $\sigma(\theta)(\text{exp})/(1.65 \sigma(\theta)(\text{DWBA}))$ .