

$^{25}\text{Mg}(\text{t,p})$  1961Hi11,1965G105

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 112, 1875 (2011)	30-Nov-2010

**1961Hi11**: Target: enriched  $^{25}\text{Mg}$ , Projectile:  $^3\text{He}$ ,  $E=6.020$  MeV; nuclear emulsion plates; proton spectra measured at  $31^\circ$ ,  $40^\circ$ ,  $50^\circ$  and  $60^\circ$ ; deduced level energy.

**1965G105**:  $^{25}\text{Mg}(\text{t,p}\gamma)$  studied using a semiconductor counter telescope, a multiple channel magnetic spectrograph and a NaI scintillation counter; measured angular distribution of protons; deduced L values and spectroscopic factors.

 $^{27}\text{Mg}$  Levels

E(level) <sup>‡</sup>	L <sup>†</sup>	S <sup>†</sup>	Comments
0		0.83	
984.91 5	2	0.58	
1698.49 7	0	0.20	
1940.29 6	0		
3480		0.13	E(level): From <a href="#">1965G105</a> .
5169? 15			
5292 15			
5365 15			
5405 15			
5618 15			
5742 15			
5762 15			
5817 15			
5922 15			
6005 15			
6074 15			
6122 15			
6152 15			
6306 15			
6327 15			
6499 15			
6643 15			
6712 15			
6807 15			
6846 15			
6912 15			
6978 15			
7007 <sup>#</sup> 15			
7031 <sup>#</sup> 15			

<sup>†</sup> From [1965G105](#). L=0 for 984 and 1698.6 keV levels is inconsistent with L values from  $^{26}\text{Mg}(\text{d,p})$  studies.

<sup>‡</sup> Up to 2000 keV from Adopted Levels and above 5000 keV from [1961Hi11](#), except otherwise noted.

<sup>#</sup> In Adopted Levels 7013 (5) keV.