

$^{16}\text{O}(^3\text{He},^7\text{Be})$  1970De12

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu		NP A968,71 (2017)	1-Jan-2017

- 1970De12:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=30 MeV, measured  $\sigma(E(^7\text{Be}),\theta)$ .  $^{12}\text{C}$  deduced relative S.  
 1971De37:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=41 MeV, measured  $\sigma(10^\circ \text{ cm})$ .  
 1975Au01:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=26 MeV, measured  $\sigma(E(^7\text{Be}),\theta)$ . Deduced relative  $\alpha$ -particle S.  
 1976Pi10:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=25.5 MeV, measured  $\sigma(E(^7\text{Be}),\theta)$ . Deduced reaction mechanism.  
 1976St11:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=70 MeV, measured  $\sigma(\theta)$ . Deduced  $S_\alpha$ .  $^{12}\text{C}$  deduced levels.  
 1981Le01:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=41 MeV, analyzed  $\sigma(\theta)$ . Deduced potential parameters.  
 1987Ra37:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=41 MeV, measured  $\sigma(\theta)$ , asymmetry. Deduced model parameters, spin-orbit coupling role. DWBA.  
 1995Ma57:  $^{16}\text{O}(^3\text{He},^7\text{Be})$  E=60 MeV, analyzed  $\sigma(\theta)$ .

 $^{12}\text{C}$  Levels

E(level)  
 0  
 $4.4 \times 10^3$   
 $7.7 \times 10^3$   
 $9.6 \times 10^3$