

${}^{12}\text{C}({}^{14}\text{C}, {}^{14}\text{O}), {}^{14}\text{C}({}^{12}\text{C}, {}^{14}\text{O})$ [1995Vo05,2002Bo16](#)

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

[1994Os04](#): ${}^{12}\text{C}({}^{14}\text{C}, {}^{14}\text{O})$ E=334.4 MeV, measured spectra.

[1995Bo10](#): ${}^{12}\text{C}({}^{14}\text{C}, {}^{14}\text{O})$ E=336 MeV, measured particle spectra, $\sigma(\theta)$.

[1995Vo05](#): ${}^{12}\text{C}({}^{14}\text{C}, {}^{14}\text{O})$ E=335.9 MeV, measured residual nucleus spectra.

[2002Bo16](#): ${}^{12}\text{C}({}^{14}\text{C}, {}^{14}\text{O})$ E=336 MeV, measured excitation energy spectra. ${}^{12}\text{Be}$ deduced level energies, possible J, π , rotational band features.

[2008Bo37](#): ${}^{14}\text{C}({}^{12}\text{C}, {}^{14}\text{O})$ E=231,216,231,240 MeV, measured reaction products. Deduced ${}^{12}\text{Be}$ energy levels, J, π .

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

E(level) [†]	Γ	Comments
0.0		
2.1×10^3		
$2.24 \times 10^3?$		
2.7×10^3		
4.56×10^3		
5.7×10^3		
7.2×10^3 <i>I</i>		
9.3×10^3	2.0 MeV ³	
18.95×10^3		E(level): From (2008Bo37).

[†] From ([1995Vo05,2002Bo16](#)), except where noted.