

${}^{12}\text{C}(\text{t}, {}^3\text{He})$ 2011Pe12

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

[1997Da28](#): ${}^{12}\text{C}(\text{t}, {}^3\text{He})$ E=381 MeV, measured $\sigma(E({}^3\text{He}), \theta)$. ${}^{12}\text{B}$ deduced levels spin-isospin characteristics.

[2011Pe12](#): ${}^{12}\text{C}(\text{t}, {}^3\text{He})$ E=115 MeV/nucleon, measured $\sigma(\theta)$, B(GT), excitation-energy spectrum.

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

E(level)	J^π	Comments
0	1^+	
2.6×10^3	1^-	
4.5×10^3	2^-	
7.3×10^3	1^-	E(level): Discussion in (1997Da28) indicates the strength near $E_x=7.3$ MeV can be separated into a narrow spin-flip component that is populated in (d, ${}^2\text{He}$) reactions and a broad non-spin-flip component that is populated in (t, ${}^3\text{He}$) reactions.