

${}^{12}\text{C}({}^8\text{He}, {}^6\text{He}2\text{n})$ 2004Ti06,2001Ma05

Type	Author	History	Citation	Literature Cutoff Date
Update	J. H. Kelley, J. L. Godwin, C. G. Sheu		ENSDF	31-Mar-2004

[1996Ni02](#): $\text{C}({}^8\text{He}, \text{X})$ $E=240$ MeV/nucleon, measured ${}^6\text{He}$, N-momentum distributions, invariant mass spectra. Deduced two-neutron removal σ , reaction mechanism.

[2001Ma05](#): $\text{C}({}^8\text{He}, \alpha\text{n})$, $({}^8\text{He}, \alpha 2\text{n})$ $E=227$ MeV/nucleon, measured fragments relative energy spectra, $\sigma(\theta)$. Deduced reaction mechanism features. ${}^8\text{He}$ deduced resonance features.

 ${}^8\text{He}$ Levels

E(level)	J^π	$T_{1/2}$	Comments
2.9×10^3 2	(2 ⁺)	0.3 MeV 3	In (1996Ni02), the values $E_x = 3.72$ MeV 24, and $\Gamma = 0.53$ MeV 43 had been reported.
4.15×10^3 20	(1 ⁻)	1.6 MeV 2	