

$^{12}\text{C}(\gamma, \text{p})$ [1970Me17,1998Ku23](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880,88 (2012)	1-Jan-2011

[1970Me17](#): $^{12}\text{C}(\gamma, \text{p}\gamma)$ $E < 42$ MeV; measured $\sigma(E; E_\gamma)$. Deduced integrated σ .

[1974Fi17](#): $^{12}\text{C}(\gamma, \text{p})$, $E=60, 80, 100$ MeV; measured $\sigma(E, E_p, \theta)$.

[1976Ma34](#): $^{12}\text{C}(\gamma, \text{p})$, $E=60-100$ MeV; measured $\sigma(E_\gamma; E_p, \theta(p))$.

[1986An25](#): $^{12}\text{C}(\gamma, \text{pX})$, $E=159, 198$ MeV; measured inclusive $\sigma(\theta)$. Deduced reaction mechanism.

[1986Mc15](#): $^{12}\text{C}(\gamma, \text{p})$, $E=60, 80$ MeV; measured $\sigma(\theta)$ vs E_p . Deduced reaction mechanism.

[1988Sh08](#): $^{12}\text{C}(\gamma, \text{p})$, $E=60$ MeV; measured $\sigma(\theta)$, proton yields excitation energy. ^{11}B deduced level excitation probe dependence.

[1998Ku23](#): $^{12}\text{C}(\gamma, \text{p})$, $E=50-70$ MeV; measured E_γ , $I_\gamma(\text{THETA})$, proton spectra, $\text{p}\gamma$ -coin. ^{11}B levels deduced population strengths.

RPA calculations.

 ^{11}B Levels

E(level)	Comments
0	from (1970Me17,1998Ku23).
2.12×10^3	from (1970Me17,1998Ku23).
4.44×10^3	from (1970Me17,1998Ku23).
5.02×10^3	from (1970Me17,1998Ku23).
6.74×10^3	from (1970Me17,1998Ku23). (1998Ku23) expanded on the mechanism that populates the 7 MeV triplet.
6.79×10^3	from (1970Me17,1998Ku23).
7.30×10^3	from (1970Me17,1998Ku23).
8.00×10^3	from (1970Me17).
8.57×10^3	from (1970Me17).