

¹³C(π^-,π^0)

1994Ha41

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. E. Purcell		NDS 198,1 (2024)	1-Aug-2024

1994Ha41: ¹³C(π^+,π_0) E=165; measured $\sigma(\theta, E_\pi)$ at LAMPF using π^0 spectrometer to measure the decay γ - γ photons.
Reported π_0 to $E_x\approx 9$ MeV T=3/2 state. See also (1999Ha24).

Theoretical analyses.

1980Jo06: ¹³C(π^-,π_0) E=180 MeV, calculated $\sigma(\theta)$.

1981Os04: ¹³C(π^+,π_0) E=130-250 calculated $\sigma(E,\theta)$ estimated importance of Δ resonance.

¹³B Levels

E(level)	Γ	Comments
9.0 $\times 10^3$	≈ 8.1 MeV	T=3/2 E(level): Represents the T=3/2 giant resonance built on ¹³ C _{g.s.} (1994Ha41).