
 $^{13}\text{C}(\pi^-, \gamma)$ [1983Ma16](#)

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

[1983Ma16](#): $^{13}\text{C}(\pi^-, \gamma)$, Measured stopped π^- capture at the Low Energy Pion Channel of the LANL Clinton P. Anderson Meson Physics Facility. Measured E_γ , I_γ . Deduced feeding to ^{13}B states. See also ([1981MaZS](#)).

Theoretical analyses.

[1977Do06](#): Calculated transition probabilities to $^{13}\text{B}(0, 3.6, 5.5 \text{ MeV})$.

[1978Ki13](#): Shell model calculations for spin-dipole transitions. Analysis of the gross structure of resonances. Predicted population of several states at $E_x=0$ to 22 MeV.

[1982Gm02](#): $^{13}\text{C}(\pi^-, \gamma)$: compiled available data. Deduced reaction mechanism.

[1991Er06](#): Compared of calculated (e, e') , (γ, π^+) and (π^-, γ) cross sections at $E \approx 180, 200 \text{ MeV}$.

 ^{13}B Levels

E(level) [†]	Comments
0	
3.5×10^3	E(level): Possible doublet.
6.5×10^3	
7.6×10^3	
$\approx 10.2 \times 10^3$	Γ : Broad state or group of levels: order of MeV(s).

[†] From ([1983Ma16](#)).