
 $^{12}\text{C}(\text{e},\text{e}'\text{p})$ [1984Ca34,1995De23](#)

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

[1984Ca34](#): $^{12}\text{C}(\text{e},\text{e}'\text{p})$ $E=86,118,126$ MeV, measured $\sigma(\theta(\text{e}),\theta(\text{p}))$, deduced possible monopole resonance, EWSR..

[1993De10](#), [199De23](#): $^{12}\text{C}(\text{e},\text{e}'\text{p})$ $E=124-183$ MeV, measured $\sigma(\theta(\text{e}),\theta(\text{p}))$, $\sigma(\theta(\text{e}),\theta(\alpha))$ vs energy transfer. ^{12}C deduced GQR associated EWSR, $B(E2)$.

[1995De23](#): $^{12}\text{C}(\text{e},\text{e}'\text{p}),(\text{e},\text{e}'\alpha)$ $E=124.1,183.4$ MeV, measured $\sigma(\theta(\text{e}'),\theta(\alpha))$, $\sigma(\theta(\text{e}'),\theta(\text{p}))$ vs energy transfer. ^{12}C deduced $B(E2)$, EWSR strength.

 ^{12}C Levels

E(level)	J^π	$T_{1/2}$	Comments
$\approx 20.5 \times 10^3$	0^+		E(level): From (1984Ca34).
$\approx 21.6 \times 10^3$		≈ 1.5 MeV	Decays primarily to $^8\text{Be}^*(2.9 \text{ MeV}; 2^+)$ (1993De10,1995De23).