^{12}C(p,t) 1988Aj01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. L. Godwin, et al.	NP A745 155 (2004)	31-Mar-2004

1968Be72: ^{12}C(p,^{3}H) E=156 MeV, measured $\sigma(E_d,\theta)$, $\sigma(E(^3He),\theta)$.
1970Ne17: ^{12}C(pol. p,^{3}H) E=49.5 MeV, measured $\sigma(E_t,\theta)$, $\sigma(E(^3He),\theta)$, polarization analyzing power(θ).
1971Ka04: ^{12}C(p,^{3}H) E=40,44,50 MeV, analyzed $\sigma(\theta)$. DWBA.
1975De41: ^{12}C(p,^{3}H) E=75 MeV, measured $\sigma(\theta)$ to levels in ^{10}C.
1977Av01: ^{12}C(p,^{3}H) E=660 MeV, measured absolute σ.
1977Ya10: ^{12}C(p,^{3}H) E=51.9 MeV, measured $\sigma(\theta)$. ^{10}C deduced levels, L, J, π, IAS.
1978Ro08: ^{12}C(p,^{3}H) E=45 MeV, measured σ. Deduced Q. ^{10}C deduced level.
1979Sh09: ^{12}C(p,^{3}H) E=80 MeV, measured $\sigma(E1,\theta)$. ^{10}C levels deduced enhancement factors. DWBA.
1985Se15: ^{12}C(p,^{3}H) E=150 MeV, measured $\sigma(E_p,\theta_p)$, charged particle yields.

^{10}C Levels

E(level)	J^π	L	Comments
0	0^+	0	
3353.9 *7*	2^+	2	E(level): weighted average of E_x=3353.5 keV *10* (1974Be66) and 3354.3 keV *11* (1978Ro08).
5280	2^+		unresolved.
6600			