

Table 4.9 from (1992TI02):
Measurements and summaries (S) of cross sections $\sigma(\theta)$ and analyzing powers $A(\theta)$ for ${}^3\text{H}(p, \gamma){}^4\text{He}$

| E_p (MeV) | Measurement | $\theta_{\text{c.m.}}$ (deg) | Description | Refs. |
|-------------------|---------------------------------|------------------------------|---|--------------------------|
| 6 – 16 (pol) | $\sigma(E, \theta), A$ | 45 – 135 | Determined singlet and triplet E1, E2 amplitudes. | 1978KIZQ |
| 0.46, 0.50, 0.62, | $\sigma(E, \theta),$ | 0 – 135 (lab) | Analyzed in terms of E1, M1, E2. | 1980DE32 |
| 0.77, 0.93 | $P_\gamma(90^\circ)$ | | | |
| 17 – 31 | Fore-aft asymmetry | 55, 125 | Fitted with expression including 2^+ resonance. | 1980MC06 |
| 8 – 30 | $\sigma(E, \theta)$ | 21 – 144 | Tabulated σ , Legendre expansion coefficients. | 1982MC03 |
| 8.34, 13.6 | $\sigma(E, 90^\circ)$ | 90 | Compared with other ${}^3\text{H}(p, \gamma), {}^4\text{He}(\gamma, p), {}^4\text{He}(\gamma, n)$ data. | 1983CA14 |
| 0.045 – 146 | $\Gamma_\gamma^0/\Gamma_\alpha$ | | Compared with cluster model calculations. | 1984CE08 |
| 9.0 (pol) | $\sigma(\theta), A$ | 30 – 150 | E1, E2 analysis. Studied ${}^3\text{D}_2$ amplitude. | 1985WA28 |
| 227, 300, 375 | $\sigma(\theta), A$ | 54 – 118 | Compared with (γ, p) inverse reaction to search for TRI violation. | 1986TH05 |
| 2 – 15 | $\sigma(90^\circ)$ absolute | 90 | Examined $\sigma(\gamma, p)/\sigma(\gamma, n)$. Found ratio ≈ 1.1 . | 1990FE06 |