

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.	<a href="#">1978KIZQ</a>
0.46, 0.50, 0.62,	$\sigma(E, \theta),$	0 – 135 (lab)	Analyzed in terms of E1, M1, E2.	<a href="#">1980DE32</a>
0.77, 0.93	$P_\gamma(90^\circ)$			
17 – 31	Fore-aft asymmetry	55, 125	Fitted with expression including $2^+$ resonance.	<a href="#">1980MC06</a>
8 – 30	$\sigma(E, \theta)$	21 – 144	Tabulated $\sigma$ , Legendre expansion coefficients.	<a href="#">1982MC03</a>
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.	<a href="#">1983CA14</a>
0.045 – 146	$\Gamma_\gamma^0/\Gamma_\alpha$		Compared with cluster model calculations.	<a href="#">1984CE08</a>
9.0 (pol)	$\sigma(\theta), A$	30 – 150	E1, E2 analysis. Studied ${}^3\text{D}_2$ amplitude.	<a href="#">1985WA28</a>
227, 300, 375	$\sigma(\theta), A$	54 – 118	Compared with $(\gamma, p)$ inverse reaction to search for TRI violation.	<a href="#">1986TH05</a>
2 – 15	$\sigma(90^\circ)$ absolute	90	Examined $\sigma(\gamma, p)/\sigma(\gamma, n)$ . Found ratio $\approx 1.1$ .	<a href="#">1990FE06</a>