

Table 4.10 from (1992TI02): Measurements and summaries (S) of cross sections $\sigma(\theta)$, analyzing powers $A(\theta)$, polarizations $P(\theta)$, and polarization transfers $K(\theta)$ for the ${}^3\text{H}(\text{p}, \text{n}){}^3\text{He}$ reaction

E_p (MeV)	Measurement	$\theta_{\text{c.m.}}$ (deg)	Description	Refs.
1.5 – 12 (pol)	A	45	Compared with $P(E, \theta)$.	1972HA33
8.94, 13.55	K_y^y, K_x^x, K_z^z, P	15 – 120	Compared with R -matrix calculations.	1972HA36
6 – 16	$\sigma(\theta)$	0 – 140	Determined relative and absolute $\sigma(\theta)$.	1972MC23
2.238	$\sigma(E_n)$	$\theta({}^3\text{He}) = 10^\circ$	Measured neutron flux for $E_n = 250$ keV.	1972PA41
1.5 – 5.0	P_n	5 – 110 (lab)	Legendre polynomial expansion, contour map.	1972SM03
1.3 – 2.9	A	30 – 140	Legendre polynomial expansion, contour map.	1974BR09
4 – 15	K_z^z	0, 15 – 100	Compared with R -matrix calculations.	1974JA03
6.00, 9.96, 13.55	A	0.3 – 130	Compared with $P(\theta)$ and R -matrix calculations.	1974JA06
5.97, 9.9	K_x^x, K_z^z, K_y^y, P_n	0 – 100	Compared with R -matrix calculations.	1974JA20
9.5	$\sigma(E, \theta)$	15 – 135	Measured relative yield.	1975MO36
1.7 – 3.9	A_y, P^y	10 – 60	Compared A_y, P^y . Checked CSB.	1976DO07
6 – 17	$\sigma(\theta)$	$\approx 0 - 180$	Established absolute scale for $\sigma(\theta)$ by calibrated t.o.f. system.	1978DR08(S)
1245, 1800	$\sigma(\theta)$	$0.003 < t < 0.493 \text{ (GeV}/c)^2$	Glauber-model analysis.	1980BI02
1.75 – 4.0	A_y	45, 20 – 150	Compared with $P(E, \theta)$ R -matrix calculations. Established ${}^4\text{He}$ level order.	1981DO10(S)
2.0 – 3.8	P^y	45, 15, 50	Compared with $A(E, \theta)$. Charge symmetry interpretation.	1981TO12(S)
318	$d\sigma/dt$	$0.01 < t < 0.06 \text{ (GeV}/c)^2$	Compared with multiple scattering theory.	1982BL23
9.77 – 14.77	$d^2\sigma/d\Omega dE$	0	Studied ${}^3\text{H}$ breakup contributions.	1982TH07
0.4 – 15.5	$\sigma(E)$	20 – 140	Described technique for calibrating t.o.f. spectrometer.	1985HO12
1.125	E_n, ϕ_n	0	Used ${}^3\text{He}(\text{p}, \text{n})$ as neutron source to study ${}^{26}\text{Al}(\text{n}, \text{p})$.	1986TR02
2.05, 3.37	$\sigma(E_p, E_n)$	0, 90	Studied neutron background.	1989BO41