Table 3.14 from (2010PU04): References for ^{2}H(p, p)^{2}H and ^{1}H(d, d) ^{1}H

References	$E_{\rm p}$, $E_{\rm d}$, or $E_{\rm c.m.}$ (MeV)	Comments
(1999KA46)	$E_{\rm cm} = 0.163$-2	$\vec{\rm p}$, $\vec{\rm d}$ beams; measured cross section, VAP and TAP; compared with theory; studied 3N force effects
(1997KI17)	$E_{\rm cm} = 0.432$	$\vec{\rm d}$ beam; measured T_{20} and T_{22}; compared with theory; obtained p-d scattering lengths and D/S asymptotic ratio
(1998BR11)	$E_{\rm cm} = 0.43$	$\vec{\rm p}$, $\vec{\rm d}$ beams; measured $A_{\rm y}$ and iT_{11}; compared with theory including 3N force; find discrepancy in both analyzing powers
(2001BR12)	$E_{\rm cm} = 0.43$-2.0	$\vec{\rm p}$, $\vec{\rm d}$ beams; measured σ, VAP and TAP, excitation function for iT_{11}; compared with theory; observe discrepancy in analyzing powers
(2001WO06, 2002WO05)	$E_{\rm cm} = 0.667$	Measured cross sections and analyzing powers for both ^{2}H(p, p) and ^{1}H(d, d) with $\vec{\rm p}$, $\vec{\rm d}$ respectively; deduced phase shifts; compared with 2N and 3N model predictions; studied $A_{\rm y}$ puzzle
(2001KI03, 2001KI22)	$E_{\rm p} = 1$, $E_{\rm d} = 1$	Measured cross section; compared with theory; studied 3N force effects
(1996KI15)	$E_{\rm p} = 1$-3, $E_{\rm d} = 5$,6	$\vec{\rm p}$, $\vec{\rm d}$ beams, determined cross section, phase shifts, VAP and TAP
(2007DE31)	$E_{\rm p} = 1.9$-3.0	Measured differential cross sections for lab angles of 151 and 167 degrees; compared results with earlier measurements
(1995SH25)	$E_{\rm p} = 2$-4, $E_{\rm d} = 5$,6	$\vec{\rm p}$, $\vec{\rm d}$ beams; measured $A_{\rm y}$, iT_{11}, T_{21}, T_{22}; compared with Faddeev calculation
(1994SA26)	$E_{\rm p} = 2$-18	Used polarized and unpolarized p's; measured energy dependence of cross section and $A_{\rm y}$; compared with Faddeev calculation

Table 3.14 from (2010PU04): References for ^{2}H(p, p)^{2}H and ^{1}H(d, d) ^{1}H (continued)

References	$E_{\rm p}$, $E_{\rm d}$, or $E_{\rm cm}$ (MeV)	Comments
(1993KN02)	$E_{\rm p} = 3$; $E_{\rm d} = 6$	$\vec{\rm p}$, $\vec{\rm d}$ beams; measured cross section, analyzing powers; deduced phase shift parameters; compared with Faddeev calculation
(1987SO05)	$E_{\rm d} = 10$	$\vec{\rm d}$ beam; measured $iT_{11}(\theta)$, $T_{20}(\theta)$, $T_{21}(\theta)$, $T_{22}(\theta)$; compared with Faddeev calculation
(1988RA43)	$E_{\rm p} = 10$-16.5	$\vec{\rm p}$ beam; measured cross sections and analyzing powers especially at forward and back angles; compared with Faddeev calculations with realistic potentials
(1993SY01, 1994SY01, 1998SY01)	$E_{\rm p} = 19$	$\vec{\rm p}$ beam; observed polarization of outgoing p's and d's; measured analyzing powers and polarization transfer coefficients; compared with Faddeev calculations with different NN forces and force components
(1989CL06, 1990CL01, 1990GR20)	$E_{\rm p} = 22.7$	$\vec{\rm p}$ beam; measured polarization transfer coefficients; deduced properties of n-p system; compared with Faddeev calculation
(2006WI09)	$E_{\rm p} = 22.7$	$\vec{\rm p}$ beam; observed polarization of outgoing p's or d's; measured polarization transfer coefficients; compared with Faddeev calculation
(1989KI03)	$E_{\rm p} = 43$	$\vec{\rm p}$ beam; deduced analyzing power; looked for parity non-conservation
(1987NA03)	$E_{\rm p} = 65$	$\vec{\rm p}$ beam; measured depolarization parameter as function of θ
(1987AR30)	$E_{\rm d} = 70$	$\vec{\rm d}$ beam; measured cross section and VAP; compared with Faddeev calculation

Table 3.14 from (2010PU04): References for ^{2}H(p, p)^{2}H and ^{1}H(d, d) ^{1}H (continued)

References	$E_{\rm p}$, $E_{\rm d}$, or $E_{\rm cm}$ (MeV)	Comments
(1993WI25)	$E_{\rm d}$ = 75-187	$\vec{\rm d}$ beam; measured analyzing powers; compared with Faddeev calculations with realistic NN interactions
(2001ER01, 2001ER02)	$E_{\rm p}$ = 108-170	Measured VAP's; compared with theory; deduced no improvement with 3N force
(2003ER04, 2004KA28, 2005ER03, 2007KA38)	$E_{\rm p}$ = 108-190	$\vec{\rm p}$ beam; measured cross section and VAP; compared with theory; deduced 3N force effects
(1991CA32)	$E_{\rm d}$ = 120-150	$\vec{\rm d}$ beam; measured $iT_{11}(\theta)$, $T_{22}(\theta)$, $T_{20}(\theta)$, $T_{21}(\theta)$
(1990WI21)	$E_{\rm p}$ = 120, 200	$\vec{\rm p}$ beam; measured p-d coincidence spectra; deduced analyzing power
(2003KI21, 2005KI19, 2007ST29)	$E_{\rm d}$ = 130	$\vec{\rm d}$ beam; measured cross section, VAP, TAP; compared with Faddeev calculation with modern NN and 3N forces; 3N force effects seen
(2008RA17)	$E_{\rm d}$ = 130, $E_{\rm p}$ = 135	$\vec{\rm p}$ and $\vec{\rm d}$ beams; measured differential cross sections; VAP and TAP; compared with previous experiments
(2007MA23)	$E_{\rm d}$ = 130, 180	$\vec{\rm d}$ beam; measured VAP and TAP; compared with theory; differences found
(2006PR22)	$E_{\rm p}$ = 135, 200	$\vec{\rm p}$ beam and $\vec{\rm d}$ target; detected both outgoing particles; measured cross section, analyzing powers and spin correlation coefficients; compared with Faddeev theory including 3N force
(2005SE22)	$E_{\rm p}$ = 135; $E_{\rm d}$ = 270	Studied both ^{2}H(p, p) and ^{1}H(d, d); measured cross section, compared with previous measurements and theory; deduced 3N force and relativistic effects

Table 3.14 from (2010PU04): References for ^{2}H(p, p)^{2}H and ^{1}H(d, d) ^{1}H (continued)

References	$E_{\rm p}$, $E_{\rm d}$, or $E_{\rm cm}$ (MeV)	Comments
(2001SE09, 2002SE03)	$E_{\rm d} = 140$, 200, 270	$\vec{\rm d}$ beam; measured cross section, VAP and TAP; compared to Faddeev calculations with modern NN and 3N forces
(2000BI02, 2001KA25)	$E_{\rm p} = 150$, 190; $E_{\rm d} = 270$	$\vec{\rm p}$, $\vec{\rm d}$ beams; measured VAP and TAP; compared with theory; deduced role of 3N force
(2007AM03)	$E_{\rm d} = 180$	$\vec{\rm d}$ beam; measured cross section, VAP, TAP, spin-transfer coefficients; compared with theory; deduced 3N force effects
(2001CA05, 2001KI18)	$E_{\rm p} = 197$	$\vec{\rm p}$ beam and $\vec{\rm d}$ target, measured analyzing powers, spin correlation parameters; compared with theory; deduced 3N force effects
(1994BU11)	$E_{\rm p} = 198.5$, 297.6, 456.6	Measured cross section; deduced scattering length
(1998RO12)	$E_{\rm p} = 200$, 221, 235, 258, 295	Measured $\sigma(\theta)$ for center of mass angles from 11° to 29°; compared with Faddeev calculations; suspect possible relativistic effects
(2002HA43, 2003HA41, 2003SH45)	$E_{\rm p} = 250$	$\vec{\rm p}$ beam; measured cross section, analyzing power, polarization transfer coefficients; compared with Faddeev calculations; deduced 3N force effects
(1996SA45)	$E_{\rm d} = 270$	$\vec{\rm d}$ beam; measured $\sigma(\theta)$, VAP and TAP; compared with Faddeev calculation
(2000SA24, 2001SA14, 2001SA33, 2003SE06, 2003SE18, 2004SE07)	$E_{\rm d} = 270$	$\vec{\rm d}$ beam; measured polarization transfer coefficient; compared with model calculations
(2003TA43)	$E_{\rm p} = 392$	$\vec{\rm p}$ beam; measured cross section, VAP; compared with model predictions

Table 3.14 from (2010PU04): References for ^{2}H(p, p)^{2}H and ^{1}H(d, d) ^{1}H (continued)

References	$E_{\rm p}$, $E_{\rm d}$, or $E_{\rm cm}$ (MeV)	Comments
(1987RA17)	$E_{\rm p}$ = 500, 800	$\vec{\rm p}$ beam; measured polarization and asymmetry of scattered p's and spin transfer observables; compared with relativistic multiple scattering model
(1991GU01)	$E_{\rm p}$ = 641.3, 792.7	Measured cross section; compared with relativistic theory
(1989GR20)	$E_{\rm p}$ = 695-991	Compared p + ^{2}H and p + ^{4}He scattering
(1992GU01)	$E_{\rm p}$ = 794	$\vec{\rm p}$ beam and $\vec{\rm d}$ target; measured various spin quantities; compared with relativistic calculations
(1988AD02, 1988IG02)	$E_{\rm p}$ = 800	$\vec{\rm p}$ beam and $\vec{\rm d}$ target; measured analyzing powers and spin transfer coefficients
(2008JA07, 2008KU14)	$E_{\rm d}$ = 880	$\vec{\rm d}$ beam; measured VAP and TAP; compared with theory
(1989AV02)	$E_{\rm d}$ = 0.9-10 GeV	$\vec{\rm d}$ beam; measured analzing power
(1999BB21, 1999DE47)	$E_{\rm p}$ = 1.1-2.4 GeV	$\vec{\rm p}$ beam and polarized and unpolarized targets; measured analyzing powers, spin correlation parameters, polarization transfer quantities; compared with other data and theory
(1987HA35)	$E_{\rm d}$ = 1.2, 1.8, 2.0 GeV	$\vec{\rm d}$ beam; measured vector and tensor spin observables; compared to relativistic multiple scattering theory
(1997LA21)	$E_{\rm p}$ = 1.25 GeV	$\vec{\rm p}$ beam and $\vec{\rm d}$ target; measured spin correlation and transfer quantities
(1997LA21)	$E_{\rm d}$ = 1.488, 1.588 GeV	$\vec{\rm d}$ beam and $\vec{\rm p}$ target; measured analyzing powers and spin correlations
(1991GH01)	$E_{\rm d}$ = 1.6 GeV	$\vec{\rm p}$ beam and $\vec{\rm d}$ target; measured many vector and tensor spin observables; compared to previous experiments and to relativistic impulse approximation

Table 3.14 from (2010PU04): References for ^{2}H(p, p)^{2}H and ^{1}H(d, d) ^{1}H (continued)

References	$E_{\rm p}$, $E_{\rm d}$, or $E_{\rm cm}$ (MeV)	Comments
(1997AZ02, 1998AZ02)	$E_{\rm d}$ = 2.1-4.9 GeV	$\vec{\rm d}$ beam; measured $\sigma(\theta)$ and $T_{20}(\theta)$; studied reaction mechanism
(1989OH04)	$E_{\rm p}$ = 3.5 GeV	$\vec{\rm p}$ beam; measured analyzing power; compared with Glauber theory