

Table 3.2 from (2010PU04): References for ${}^2\text{H}(n, n){}^2\text{H}$ since 1987 or not included in (1987TI07)

References	E_n (MeV)	Comments
(2003BL07, 2003SC12, 2006HU16)	11.1 meV	Measured coherent neutron scattering lengths; deduced ${}^2a_{nd}$ and ${}^4a_{nd}$; compared with theory
(2006FO04)	1.18, 5.0, 6.88, 9.0	\vec{n} beam, \vec{d} target; deduced spin dependence of σ_{tot} ; compared with theory
(2003NE01)	1.2, 1.9	\vec{n} beam; measured $A_y(\theta)$; compared with p + d; compared with theory; studied role of magnetic moment interaction with Coulomb field
(2001GO17)	2.0	\vec{n} beam; measured $A_y(\theta)$; compared with p + d and with theory; studied charge-symmetry breaking
(1993MC08)	3	\vec{n} beam; measured $A_y(\theta)$; compared with rigorous calculation using realistic NN interactions; differences found; modification of 3P_j components of NN interaction improves fit [see (1991TO05, 1991WI10)]
(1994MC05)	3	\vec{n} beam; measured $A_y(\theta)$; compared with Faddeev calculations where differences are seen; compared n + d with p + d scattering
(1991TO05)	5, 6.5, 8.5	\vec{n} beam; measured $A_y(\theta)$; compared with Faddeev calculations using realistic NN interactions where large differences are found
(1985MA68)	6.5	\vec{n} beam; measured $A_y(\theta)$
(1987BA05)	7.9, 22.4	Measured $\sigma(\theta)$
(1994HO34)	8-14	Studied $\sigma(\theta)$ at back angles
(1988TO05)	8.5	Measured $A_y(\theta)$; calculated peak in A_y not in agreement with experiment
(1986TA20)	8.6	Measured $\sigma(\theta)$; compared with Faddeev calculations
(1987HO09)	10-14	Measured $A_y(\theta)$; compared with theory
(1989TO06)	10, 14.1	\vec{n} beam; measured $A_y(\theta)$; compared data with calculations using NN and NNN interactions

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References	E_n (MeV)	Comments
(1987KL01)	10-50	Review of neutron scattering experiments
(1991HO26)	12	Review of several $n + d$ scattering experiments and comparisons with state-of-the-art calculations
(1988HO14)	12	\vec{n} beam; measured $A_y(\theta)$; compared with Faddeev calculation using realistic NN interaction
(1998NI02)	12	\vec{n} beam; measured $A_y(\theta)$; compared $p + d$ with $n + d$
(1989CU09)	13	\vec{n} beam; measured $A_y(\theta)$; compared with Faddeev calculation
(1990SH35)	13.6, 15.23	Measured $\sigma(\theta)$; compared with Faddeev calculation
(1998HE04)	15, 17, 19, 25.8	\vec{n} beam; measured polarization transfer coefficient at $\theta_{\text{lab}} = 50^\circ, 80^\circ$; compared with Faddeev calculations using NN and NNN interactions
(2002BO61)	16.2	\vec{n} beam; \vec{d} target; measured polarization observables
(1986DO09)	18-50	\vec{n} beam; measured $\sigma(\theta)$ and $A_y(\theta)$; compared with Faddeev calculation
(2007TO16)	19, 21, 22.7	\vec{n} beam; measured $A_y(\theta)$; compared with existing data and theory
(1985CH30)	31, 61, 76	Measured $\sigma(\theta)$
(1990BR29)	67	\vec{n} beam; measured $A_y(\theta)$; compared with Faddeev calculations using realistic NN interactions
(1991RU04)	67	\vec{n} beam; measured $A_y(\theta)$; compared with Faddeev calculations using realistic NN interactions with good agreement
(1995BA05)	67	Measured $\sigma(\theta)$; compared with Faddeev calculations with good agreement
(2004ME14, 2006ME26, 2008MEZW)	95	Measured $\sigma(\theta)$; compared with $n + p$ and Faddeev calculations; observe NNN effects

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References	E_n (MeV)	Comments
(2000AN10)	189	\vec{n} beam; measured $A_y(\theta)$; compared with p + d data and with Faddeev calculations with and without NNN interaction
(2001SA33, 2007MA46, 2007MA61)	248, 250	\vec{n} beam; measured $\sigma(\theta)$, $A_y(\theta)$; compared with Faddeev calculations using NN and NNN interaction which is low in back angles; studied relativistic effects; compared with p + d scattering