

Table 3.3 from (2010PU04): References for deuteron breakup reactions ${}^2\text{H}(n, p)nn$ and ${}^2\text{H}(n, nn){}^1\text{H}$

References	E_n (MeV)	Comments
(2002BO52)	thermal	Detected p; search for evidence of di-neutron
(1993GE05)	10.3	Detected p, n_1 , n_2 ; used FSI configuration for n's; compared with theory; determined a_{nn}
(1988HO14)	12	Detected p and n in FSI and QFS configurations; measured A_y ; compared with theory
(1990HO14)	12	\vec{n} beam; detected n and p in several configurations; measured n spectrum and A_y
(1988ST15, 1989ST15)	13	Detected p, n_1 , n_2 in 22 configurations including np FSI, nn collinear, coplanar and space star; compared with theory; space-star anomaly observed
(1996SE14)	13.0	Detected n_1 , n_2 in collinear, coplanar-star, space-star configurations; measured cross sections; compared other n + d and p + d data and theory including NNN interaction; space-star anomaly confirmed
(1998HO08)	13.0	Detected n_1 , n_2 in six configurations; compared with previous data and theory including NNN; space-star anomaly confirmed
(1998TO06)	13.0	Detected n_1 , n_2 and p in FSI configurations at four different angles; determined a_{nn} and a_{np} ; compared with other data and theory; no NNN effects observed
(1999GO22)	13.0	Detected n_1 , n_2 and p; used FSI configurations; determined a_{nn} and a_{pn} ; compared with previous measurements and theory including NNN
(2005SE05)	13.0	Detected n_1 , n_2 ; measured differential cross sections at seven configurations; compared with theory including NNN interaction; space-star anomaly confirmed
(2006GO11)	13.0	Expanded version of (1999GO22); kinematically complete study of n-d breakup reaction; determined a_{nn} ; compared with other experiments; no evidence of NNN effects

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References	E_n (MeV)	Comments
(2001HU01)	16.6, 25.3	Kinematically complete study of n-d breakup reaction; detection angles chosen to allow model independent determination of a_{nn} and a_{np} ; compared with other experiments
(2001ZH09)	25	Detected n_1, n_2 in space-star configuration; compared with theory; studied energy dependence of space-star anomaly
(2002DE50)	25	Detected n, p; deduced n-p scattering length
(2007RU11)	25	Measured n-n scattering cross section in QFS configuration for n-d breakup; compared with theory
(2000HU11, 2001HU10, 2002SI06)	25.3, 26	Detected n, p and n_1, n_2 pairs in QFS configurations; compared with Monte Carlo simulations; determined a_{nn}, a_{pn}
(1991MA51)	58	Measured p spectrum; compared with impulse approximation calculation
(1989KO24)	63	Detected p; measured high resolution proton spectrum
(1992KI19)	67	\vec{n} beam; detected n and p in both QFS and FSI configurations; measured A_y ; compared with theory
(1995BA05)	67	Detected n, p in five QFS configurations with $20^\circ \leq \theta_n \leq 60^\circ$; compared with theory