

Table 3.5 from (1987TI07): Measurements and summaries (S) of cross sections for ${}^2\text{H}(n, p)n_1n_2$

E_n (MeV)	Particles detected	Geometry	Description	Refs.
14.2	n_1, n_2, p (coinc)	coplanar	Measured nn correlation spectra. Deduced nn scattering length.	1974BR08 (S)
18.4	n_1, n_2, p^a (coinc)	non-coplanar	Geometry chosen to study nn and pp FSI. Deduced nn scattering length and effective range.	1974ZE03
14.1	n_1, n_2	coplanar symmetric angles	Studied QFS.	1975BO15
14.1	n, p^a (coinc)	$\theta_{n1} = 0$	Geometry chosen to obtain data over large fraction of phase space, including FSI region. Deduced a_{nn} and γ_{nn} .	1975KE10
8.2 – 22	p^a, d^a	integrated spectrum of p and d pulses from target scintillator	Measured total cross section for breakup by observing ratio of breakup to elastic scattering.	1975PA21
13.98	p	$\theta_p = 16^\circ$	Used high-resolution magnetic spectrometer. Analyzed nn FSI. Deduced nn scattering length.	1977HA20
14.3, 29.6	n_1, p^a (coinc)	$\theta_n = 40 - 150$	Measured analyzing power versus neutron angle $A(\theta_n)$ for n2-p rel energy < 1 MeV.	1978FI2A
120	n_1, n_2, p^a (coinc)	coplanar	Collinear neutron geometry chosen to enhance nn FSI. Deduced nn scattering length.	1978ON02
21.5	n_1, n_2 (coinc)	coplanar	Measured at several quasifree angles. Deduced nn scattering length and effective range.	1979SO02
17 – 27	n, p (coinc)	coplanar	Geometry chosen to give symmetric nn and np FSI enhancements together with np QFS in spectrum. Deduced nn scattering length.	1979VO07
25	n_1, n_2 (coinc)	coplanar	Kinematic conditions for nn QFS. Deduced nn scattering length and effective range.	1980GU11
24	n_1, n_2 (coinc), n, p (coinc)	coplanar	Compared relative cross section for nn and np QFS. Deduced nn effective range.	1980VO06
11, 25	p	$\theta_p = 0$	Used mag. spectrometer. Observed proton spectra. Deduced nn scattering length.	1981KU12

^a Measured particle recoil energy in target scintillator.