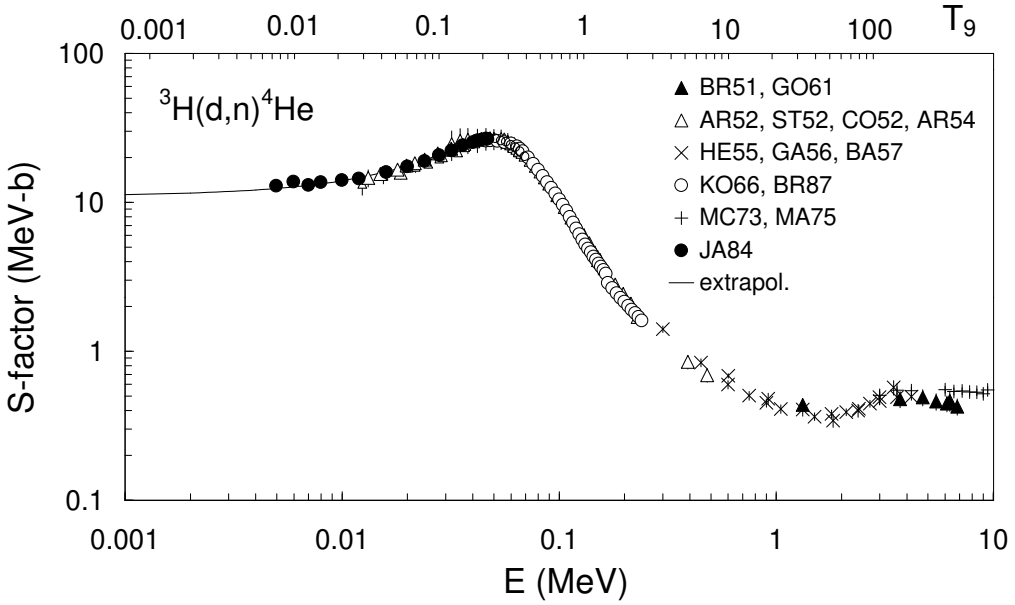
Reaction : ^{3}H(d,n)^{4}He

Experimental data are available from $E = 0.005$ to 10 MeV [BR51a, AR52, CO52, ST52, AR54, HE55, GA56, BA57, GO61, KO66, MC73, MA75, JA84, BR87a]. The data below 0.1 MeV are fitted and extrapolated to energies below 0.005 MeV using a Breit-Wigner expression, the parameters of which have been fitted to the experimental data. Screening effects are neglected. Present and previous compilations are in good agreement (about 10%). Small differences around $T_9 = 0.05$ are probably due to the numerical approach used here compared to the analytical procedure of CA88.



T_9	low	adopt	high	exp	ratio	T_9	low	adopt	high	exp	ratio	T_9	low	adopt	high	exp	ratio
0.001	1.82	1.90	1.97	-7	1.0	0.017	3.50	3.63	3.76	4	1.1	0.35	3.83	3.97	4.11	8	1.0
0.0011	7.06	7.35	7.64	-7	1.0	0.018	4.74	4.92	5.10	4	1.1	0.4	4.19	4.35	4.51	8	1.0
0.0012	2.34	2.43	2.53	-6	1.0	0.02	8.18	8.49	8.79	4	1.1	0.45	4.45	4.63	4.81	8	1.0
0.0013	6.81	7.09	7.37	-6	1.0	0.025	2.44	2.53	2.62	5	1.1	0.5	4.64	4.84	5.04	8	1.0
0.0014	1.79	1.86	1.93	-5	1.0	0.03	5.64	5.84	6.05	5	1.1	0.6	4.85	5.07	5.30	8	1.0
0.0015	4.29	4.47	4.64	-5	1.0	0.035	1.10	1.14	1.18	6	1.2	0.7	4.90	5.15	5.41	8	1.0
0.0016	9.55	9.94	10.3	-5	1.0	0.04	1.91	1.98	2.05	6	1.2	0.8	4.87	5.14	5.42	8	1.0
0.0018	3.93	4.09	4.25	-4	1.0	0.05	4.57	4.72	4.88	6	1.2	0.9	4.78	5.07	5.37	8	1.0
0.002	1.33	1.38	1.44	-3	1.0	0.06	8.85	9.15	9.45	6	1.2	1	4.66	4.97	5.29	8	1.0
0.0025	1.52	1.58	1.64	-2	1.0	0.07	1.50	1.55	1.59	7	1.1	1.25	4.31	4.66	5.02	8	0.9
0.003	0.97	1.01	1.05	-1	1.0	0.08	2.29	2.37	2.44	7	1.0	1.5	3.95	4.34	4.74	8	0.9
0.004	1.43	1.49	1.55	0	1.0	0.09	3.27	3.37	3.48	7	1.0	1.75	3.63	4.05	4.47	8	0.9
0.005	0.97	1.00	1.04	1	1.0	0.1	4.41	4.55	4.69	7	1.0	2	3.34	3.79	4.23	8	0.9
0.006	4.13	4.30	4.46	1	1.0	0.11	5.69	5.87	6.05	7	0.9	2.5	2.87	3.36	3.85	8	0.9
0.007	1.32	1.37	1.42	2	1.0	0.12	7.09	7.31	7.53	7	0.9	3	2.50	3.02	3.55	8	0.9
0.008	3.42	3.55	3.68	2	1.1	0.13	8.58	8.85	9.12	7	0.9	3.5	2.21	2.77	3.32	8	0.9
0.009	7.64	7.94	8.24	2	1.1	0.14	1.01	1.05	1.08	8	0.9	4	1.98	2.56	3.14	8	0.8
0.01	1.53	1.59	1.65	3	1.1	0.15	1.18	1.21	1.25	8	0.9	5	1.65	2.26	2.87	8	0.8
0.011	2.80	2.91	3.02	3	1.1	0.16	1.34	1.38	1.42	8	0.9	6	1.41	2.05	2.69	8	0.9
0.012	4.78	4.96	5.15	3	1.1	0.18	1.67	1.72	1.78	8	0.9	7	1.23	1.90	2.56	8	0.9
0.013	7.71	8.01	8.31	3	1.1	0.2	1.99	2.06	2.12	8	1.0	8	1.10	1.78	2.46	8	0.9
0.014	1.19	1.23	1.28	4	1.1	0.25	2.74	2.83	2.92	8	1.0	9	1.00	1.69	2.38	8	0.9
0.015	1.76	1.82	1.89	4	1.1	0.3	3.35	3.47	3.58	8	1.0	10	0.92	1.62	2.32	8	0.9
0.016	2.51	2.61	2.70	4	1.1												