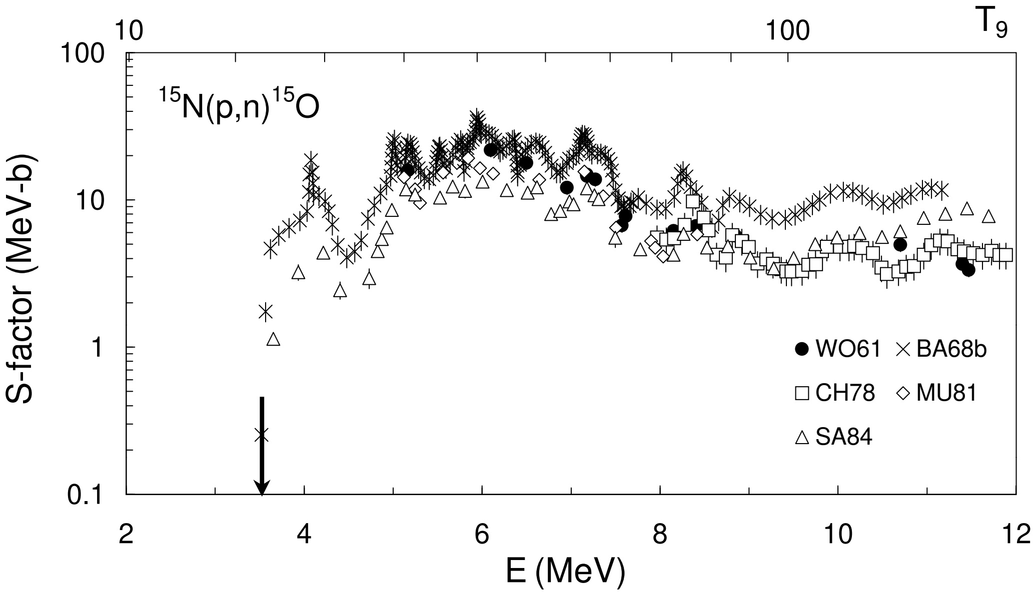
Reaction : ^{15}N(p,n)^{15}O

For this endoergic reaction ($Q = -3.536$ MeV), the reaction rates are obtained from the data of WO61, CH78, MU81 and SA84, with a linear interpolation between the data points. Data from BA68b differ by a factor of about 2 from the other data sets, and are normalized using the average value of CH78 and SA84 at $E = 9.5$ MeV. The original BA68b data are used to obtain the upper limits of the rates. At low temperatures, the large differences with CA88 are probably due to their use of the BA68b data. Thermalization effects cannot account for the increase of the ratio of our adopted rates to the CA88 ones at high temperatures (our $r_{\rm tt}$ goes up to about 1.1 only at $T_9 = 10$; CA88 adopt $r_{\rm tt} = 1$ for all T_9).



T_9	low	adopt	high	exp	ratio	T_9	low	adopt	high	exp	ratio	T_9	low	adopt	high	exp	ratio
0.6	2.14	2.50	6.41	-22	0.3	1.75	0.87	1.02	2.56	-2	0.4	6	1.73	2.01	4.74	5	0.6
0.7	3.90	4.54	11.7	-18	0.3	2	1.67	1.94	4.85	-1	0.4	7	4.85	5.64	13.2	5	0.7
0.8	6.11	7.12	18.4	-15	0.3	2.5	1.03	1.21	2.97	1	0.4	8	1.07	1.24	2.87	6	0.8
0.9	1.87	2.18	5.64	-12	0.3	3	1.62	1.89	4.62	2	0.4	9	1.95	2.27	5.27	6	1.0
1	1.82	2.12	5.49	-10	0.3	3.5	1.16	1.36	3.28	3	0.4	10	3.24	3.76	8.62	6	1.4
1.25	6.97	8.12	20.8	-7	0.3	4	5.13	5.97	14.4	3	0.4						
1.5	1.71	1.99	5.06	-4	0.3	5	4.17	4.85	11.5	4	0.5						