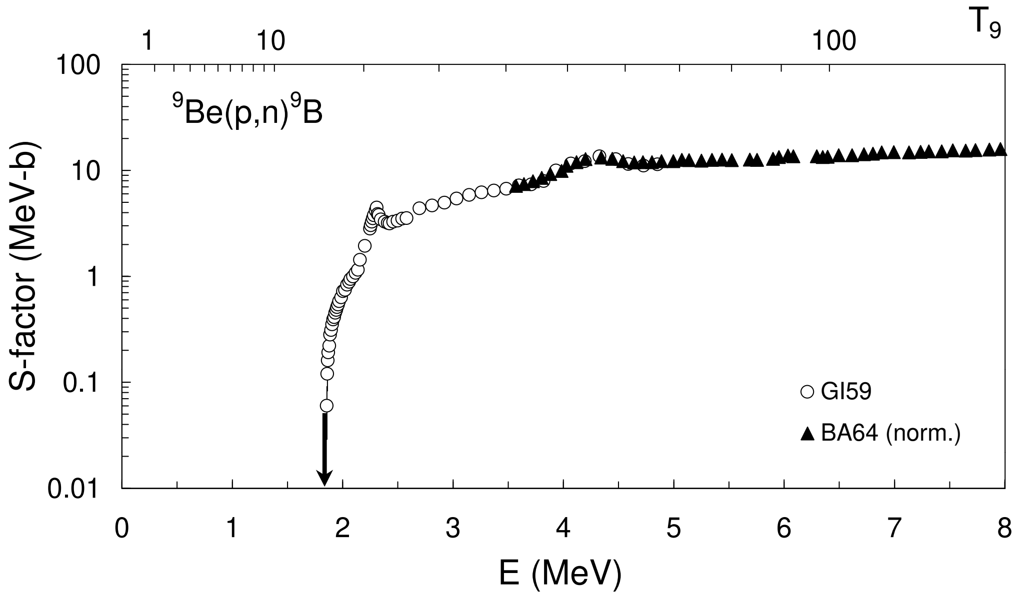
Reaction : ^{9}Be(p,n)^{9}B

The experimental data from GI59 are used from threshold ($Q = -1.851$ MeV) to $E = 3.5$ MeV. For $E \geq 4.8$ MeV, the relative yield data of BA64 are adopted, after normalization to the value $\sigma = 0.511$ b at $E = 4.33$ MeV from GI59. In the intermediate region, the χ^2 average of both data sets is adopted. In GI59, the total error is 5%, and includes uncertainties in detector efficiency and target thickness. In BA64, the corresponding error is 8%. The recommended reaction rates are in good agreement with the CA88 ones.



T_9	low	adopt	high	exp	ratio	T_9	low	adopt	high	exp	ratio	T_9	low	adopt	high	exp	ratio
0.3	5.49	5.84	6.07	-24	1.0	0.9	4.21	4.44	4.65	-3	0.9	3.5	5.30	5.58	5.86	5	0.9
0.35	1.58	1.68	1.75	-19	1.0	1	4.84	5.11	5.36	-2	0.9	4	1.25	1.32	1.38	6	0.9
0.4	3.52	3.73	3.89	-16	1.0	1.25	4.08	4.30	4.52	0	0.9	5	4.26	4.50	4.74	6	0.9
0.45	1.42	1.50	1.57	-13	1.0	1.5	8.13	8.56	8.99	1	0.9	6	0.99	1.05	1.11	7	0.9
0.5	1.72	1.82	1.91	-11	1.0	1.75	7.03	7.40	7.77	2	0.9	7	1.85	1.95	2.07	7	0.9
0.6	2.34	2.48	2.59	-8	1.0	2	3.59	3.78	3.97	3	0.9	8	2.98	3.16	3.34	7	0.9
0.7	4.11	4.34	4.55	-6	0.9	2.5	3.61	3.80	3.99	4	0.9	9	4.35	4.62	4.90	7	0.9
0.8	2.01	2.13	2.23	-4	0.9	3	1.71	1.81	1.90	5	0.9	10	5.93	6.30	6.70	7	0.9