The Reaction Rate in Nuclear Fusion.

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The function $H(h)$ in eq. (97) on p. 581 should be substituted by the function $H(y)$. The function $\bar{Q}(y)$ in eq. (114) on p. 586 should be substituted by the function $\bar{a}(y)$. Tables II, III should be substituted by the following ones.

TABLE II.

System		$^{12}\text{C} + ^{12}\text{C}$	
T9 ^(a)	$\bar{y}_1^3$	$N_A \langle \sigma v \rangle$ ^(b) (cm ³ mol ⁻¹ s ⁻¹)	$N_A \langle \sigma v \rangle$ ^(c) (cm ³ mol ⁻¹ s ⁻¹)
0.030	1.732	0	0
0.080	1.576	$2.615 \cdot 10^{-97}$	0
0.110	1.520	$2.710 \cdot 10^{-81}$	$1.810 \cdot 10^{-49}$
0.200	1.409	$3.600 \cdot 10^{-54}$	$5.96 \cdot 10^{-36}$
0.300	1.327	$1.098 \cdot 10^{-39}$	$2.96 \cdot 10^{-28}$
0.350	1.294	$5.792 \cdot 10^{-35}$	$1.32 \cdot 10^{-25}$
0.700	1.137	$9.480 \cdot 10^{-19}$	$2.39 \cdot 10^{-15}$
1.000	1.05	$3.968 \cdot 10^{-11}$	$5.20 \cdot 10^{-11}$
2.000	0.861	$6.464 \cdot 10^{-4}$	$4.09 \cdot 10^{-4}$
3.000	0.740	$1.234 \cdot 10^0$	$7.45 \cdot 10^{-1}$
4.000	0.649	$7.741 \cdot 10^1$	$8.43 \cdot 10^1$
5.000	0.572	$1.091 \cdot 10^3$	$2.12 \cdot 10^3$
6.000	0.511	$6.873 \cdot 10^3$	$1.74 \cdot 10^4$
7.000	0.458	$3.969 \cdot 10^4$	$7.15 \cdot 10^4$
8.000	0.41	$1.242 \cdot 10^5$	$2.05 \cdot 10^5$
9.000	0.363	$1.780 \cdot 10^5$	$4.68 \cdot 10^5$
10.000	0.325	$3.513 \cdot 10^5$	$9.12 \cdot 10^5$

(a) T9 temperature of reactants in unit of 10⁹ K.

(b) $N_A \langle \sigma v \rangle$ is obtained by using eqs. (20), (123), (124).

(c) $N_A \langle \sigma v \rangle$ is given in ref. ⁽⁵⁾.

TABLE III.

System		$^{16}\text{O} + ^{16}\text{O}$	
T9 (°)	$\bar{y}_1^3$	$N_A \langle \sigma v \rangle$ (°) ($\text{cm}^3 \text{mol}^{-1} \text{s}^{-1}$)	$N_A \langle \sigma v \rangle$ (°) ($\text{cm}^3 \text{mol}^{-1} \text{s}^{-1}$)
0.006	1.949	0	0
0.011	1.871	0	0
0.030	1.729	0	0
0.110	1.516	0	0
0.200	1.403	0	0
0.300	1.320	$4.239 \cdot 10^{-104}$	0
0.350	1.287	$4.019 \cdot 10^{-90}$	$2.73 \cdot 10^{-47}$
0.700	1.127	$8.762 \cdot 10^{-46}$	$1.37 \cdot 10^{-30}$
1.000	1.04	$1.659 \cdot 10^{-30}$	$1.66 \cdot 10^{-23}$
2.000	0.85	$2.452 \cdot 10^{-13}$	$3.75 \cdot 10^{-12}$
3.000	0.705	$8.221 \cdot 10^{-7}$	$1.36 \cdot 10^{-6}$
4.000	0.63	$2.088 \cdot 10^{-4}$	$4.10 \cdot 10^{-3}$
5.000	0.555	$2.691 \cdot 10^{-1}$	$3.94 \cdot 10^{-1}$
6.000	0.488	$7.732 \cdot 10^0$	$8.36 \cdot 10^0$
7.000	0.453	$8.747 \cdot 10^1$	$8.2 \cdot 10^1$
8.000	0.383	$9.349 \cdot 10^2$	$4.83 \cdot 10^2$
9.000	0.335	$4.415 \cdot 10^3$	$1.99 \cdot 10^3$
10.000	0.296	$7.898 \cdot 10^3$	$6.29 \cdot 10^3$