ERRATA

EXPERIMENTAL SF$_6^-$/SF$_6$ AND Cl$^-$/CFCl$_3$ ELECTRON-ATTACHMENT CROSS SECTIONS IN THE ENERGY RANGE 0–200 meV. Ara Chutjian [Phys. Rev. Lett. **46**, 1511 (1981)].

The thermal attachment rate coefficient $k\langle\!\langle\epsilon\rangle\!\rangle$ for CFCl$_3$ reported by McCorkle et al.[3] was incorrect. The measured $k\langle\!\langle\epsilon\rangle\!\rangle$ for CFCl$_3$ is 2.43×10^{-7} cm^3/s [D. L. McCorkle, A. A. Christodoulides, L. G. Christophorou, and I. Szamrej, J. Chem. Phys. (erratum) (to be published)] so that $\sigma_A(\epsilon)$ for Cl$^-$/ CFCl$_3$ [Eq. (5)] should be multiplied by the factor 20.1. The corrected expression now reads

$$\sigma_A(\epsilon) = 6.75\times10^{-14}\times \begin{cases} \exp(-\epsilon/34.9) \text{ cm}^2, & 0 \leqslant \epsilon \leqslant 63 \text{ meV}, \\ 0.569\,\exp(-\epsilon/50.7) \text{ cm}^2, & 63 \leqslant \epsilon \leqslant 200 \text{ meV}, \end{cases}$$

with an error of 15% in the range 0–60 meV, increasing linearly to 18% at 200 meV. Results are given in the corrected Fig. 2.

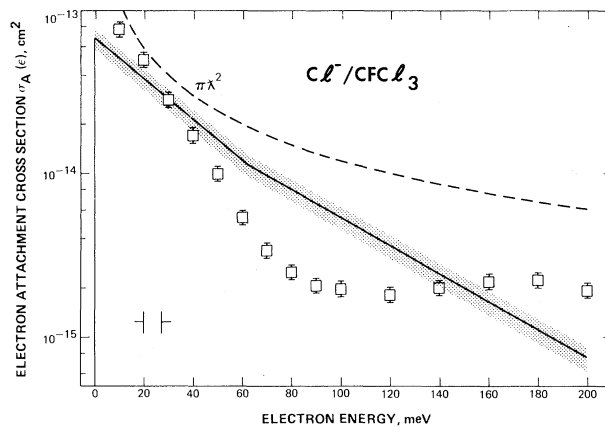Useful discussions with Dr. L. G. Christophorou and Dr. R. W. Crompton are acknowledged.

FIG. 2. Electron-attachment cross sections for CFCl$_3$. Present results are given as the solid line with errors indicated by shading. Open squares are swarm-unfolded data of McCorkle et al. (Ref. 3 and erratum) for the production of all negative ions. Also shown are the electron energy resolution in the present data, and the maximum s-wave capture cross section $\pi\lambda^2$ (dashed line).