

# Breakdown curves of $\text{CH}_2^{(+)}$ , $\text{CH}_3^{(+)}$ , and $\text{CH}_4^{(+)}$ molecules

## I. Construction and application to electron collisions and UV photo-dissociation (*Corrigendum*)

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A typographical error was made in Eq. (1) of the paper, which expresses the relation between the kinetic energy and the radial distribution for the detector, based on the isotropic hypothesis of the collision. The formula should be written as:

$$f(E, r) = \begin{cases} \frac{r}{\sqrt{1-(r/r_{90}(E))^2}} & \text{if } r < r_{90}(E) \\ 0 & \text{else} \end{cases} \quad (1)$$

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