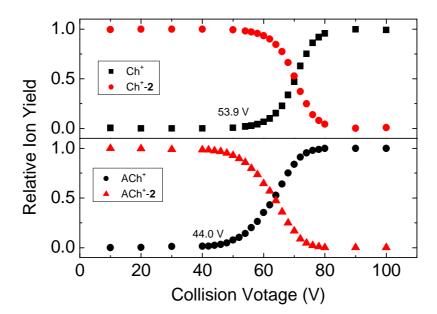
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SUPPLEMENTARY INFORMATION (SI)

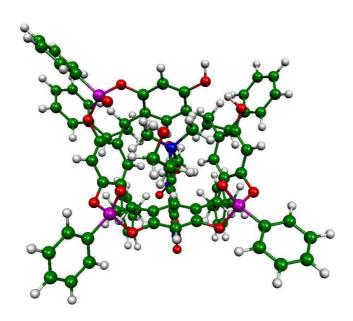
SI-1: Collision Induced Dissociation of the Ch⁺-2 and the ACh⁺-2 complexes

The thresholds for the appearance of the Ch⁺ and the ACh⁺ ions are estimated to 53.9V and 44.0V respectively

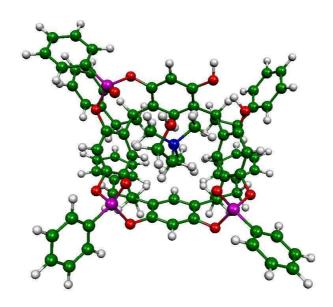


SI-2: Calculated structure of the Ch^+-1 complex

(A) Presence of the counter ion

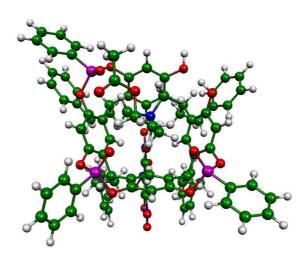


(B) Absence of the counter ion



SI-3 : Calculated structure of the $\mathbf{ACh}^{\scriptscriptstyle +}$ -1 complex

(A) Presence of the counter ion



(B) Absence of the counter ion

