

Unusual chemistry involving rearrangement and roaming following strong-field ionization of CH₃NCS

Content

We report on the reaction dynamics of CH₃NCS following strong-field ionization. We track multiple different reaction pathways, among them the intramolecular rearrangement that yields the ion CH₃S⁺ which exhibits coherent oscillations in as a function of pump-probe delay. We also follow the roaming reaction that leads to the formation of H₃⁺.

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