3D Imaging the Photoionization of Propane at the Carbon K-Edge

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\[
\begin{align*}
\gamma_{295eV} + C_3H_8 & \Rightarrow e_{\text{photo}} + e_{\text{auger}} + H^+ + C_2H_7^+ \\
\gamma_{295eV} + C_3H_8 & \Rightarrow e_{\text{photo}} + e_{\text{auger}} + CH_3^+ + C_2H_5^+ \\
\gamma_{295eV} + C_3H_8 & \Rightarrow e_{\text{photo}} + e_{\text{auger}} + CH_3^+ + CH_3^+ + CH_2.
\end{align*}
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Analysis is underway to determine the body frame of the molecule and to investigate the influence of the molecular potential and dissociation pathways on the photoelectron emission.

1Supported the US Department of Energy: Office of Basic Energy Sciences, Division of Chemical Sciences DEAC02-05CH11231 and DE-AC02-05CH11231

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Date submitted: 25 Jan 2013

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