

Abstract Submitted
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Fully Differential Cross Sections for Electron Impact Ionization of Formic Acid¹ OLA AL-HAGAN, DON MADISON, Missouri University of Science and Technology, BIRGIT LOHMANN, CHRISTOPHER COLYER, University of Adelaide, Australia, CHUANGANG NING, Tsinghua University, Beijing, China — Our recent study using the molecular three-body distorted-wave (M3DW) approximation method yielded good agreement with experimental measurements for fully differential cross sections (FDCS) for the ionization of both H₂ and N₂ by electron impact. We will present M3DW FDCS calculations for electron impact ionization of formic acid for different energies in the coplanar geometry. Theoretical results will be compared with recent unpublished measurements for formic acid from the University of Adelaide in Australia.

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