

Abstract Submitted  
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**Photolysis of formic acid at 355nm**<sup>1</sup> DENHI MARTINEZ, Instituto de Ciencias Fisicas, TEONANACATL BAUTISTA, Universidad Autonoma del Estado de Mexico, ALFONSO GUERRERO, IGNACIO ALVAREZ, CARMEN CISNEROS, Instituto de Ciencias Fisicas — Formic acid is well known as a food additive and recently an application on fuel cell technology has emerged. In this work we have studied the dissociative ionization process by multiphoton absorption of formic acid molecules at 355nm wavelength photons, using TOF spectrometry in reflectron mode (R-TOF). Some of the most abundant ionic fragments produced are studied at different settings of the laser harmonic generator. The dependence of the products on these conditions is reported.

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