



Photoionization and Photodissociation of the OH Molecule

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The OH molecule is a very important free radical in combustion, atmospheric, and biological processes. Despite this importance the full photoabsorption, dissociation and ionization spectra of OH have not been measured experimentally. Ab initio theory, however, has recently predicted these properties to the highest detail. Our goal is to determine the photodissociation properties of OH from the near to extreme ultraviolet. In this talk a few very preliminary results on velocity map imaging of OH in the near ultraviolet will be presented.