

ANION PHOTOELECTRON IMAGING OF 2-PROPENOL

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Saturated and unsaturated alcohols are released into the atmosphere by vegetation and industrial activities and become radicals in the environment. These radical species are highly reactive toward other atmospheric species and are key intermediates of the oxidation of volatile organic compounds in the troposphere. In this talk we will investigate anion photoelectron imaging (PEI) of the 2-propenol radical at photon energies of 2.33 eV and 3.49 eV as an example of these radical species. DFT (B3LYP) and *ab initio* (MP2) calculations will be used to further elaborate on the transitions of these species and compare theory to experimental results.

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