PHOTODISSOCATION DYNAMICS OF THE S_1 AND S_2 STATES OF CH_3ONO: ENERGY DISTRIBUTION IN THE CH_3O PHOTOFRAGMENT

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We studied the photodissocation dynamics of methyl nitrite excited to the S_1 and S_2 states by rediscovering the resonance enhanced multiphoton ionization of the CH_3O photofragment. While the NO photofragment's state distibutions are well known, the state distributions in the methoxy had not previously been determined.