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Photofragment vector correlations and rotational distributions from ozone dissociation at 266 and 248 nm MICHELLE WARTER, WEI WEI, SIMON NORTH, Texas A&M University — Ozone photolysis is very important in the atmosphere and has been studied by many people, but there are still mysteries involved in O3 dissociation. Velocity map ion imaging experiments on O_3 dissociation at 266 and 248 nm have been performed to reveal these mysteries. The even odd population alternations of the O_2 rotational distribution and the vector correlations have been studied to determine if there is a dynamical effect on the odd state depletion.

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