

Abstract Submitted
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Sensitive detection of polar molecules NOAH FITCH, PAUL PARAZ-
ZOLI, HEATHER LEWANDOWSKI, JILA/University of Colorado — Efficient
state-sensitive detection of molecules is required to explore cold molecular inter-
actions. We utilize laser induced fluorescence and resonance enhanced multi photon
ionization (REMPI) detection schemes to determine both the internal and external
properties of our molecular samples before and after the collisions. The informa-
tion about initial and final states allows for a more complete interpretation of the
collision dynamics.

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