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Abstract for an Invited Paper for the DAMOP18 Meeting of the American Physical Society

## **Strong Field Molecular Ionization Viewed with Coincidence Velocity Map Imaging** THOMAS WEINACHT, Stony Brook University

In this talk I will present measurements of strong field molecular ionization carried out with shaped octave spanning laser pulses and characterized with momentum resolved measurements of ions and electrons measured in coincidence. The measurements highlight non-adiabatic dynamics underlying strong field ionization of molecules.