



Contribution ID: 319

Type: **invited talks**

XUV Excited-State Dynamics of a Two-Electron System in Strong Fields

Wednesday 3 July 2019 08:30 (30 minutes)

The correlated electron dynamics of doubly excited states in helium can be controlled with strong fields, state resolved via transient absorption spectroscopy. Nonlinear absorption spectroscopy with intense XUV FEL pulses gives access to phase shifts due to dressed-state dynamics.

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Session Classification: Transient absorption and XUV spectroscopy of atoms and molecules