

## Symposium Coulomb Explosion Imaging (SYCE)

jointly organized by  
the Atomic Physics Division (A),  
the Molecular Physics Division (MO), and  
the Mass Spectrometry Division (MS)

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Coulomb explosion imaging, using intense table-top lasers or x-ray pulses, allows to measure molecular structure and structural dynamics even for dilute gas-phase samples. It combines high temporal resolution, high sensitivity with recently demonstrated high spatial resolution. Especially in combination with coincidence or covariance measurements of the electrons it also allows to obtain higher-order correlations. Thus, it is an ideal tool for the investigation of ultrafast molecular dynamics.

### Overview of Invited Talks and Sessions

(Lecture hall Paulussaal)

#### Invited Talks

SYCE 1.1	Tue	11:00–11:30	Paulussaal	<b>Dissociation of halogenated organic molecules induced by soft X-rays – pathways and early stages</b> — ●EDWIN KUKK
SYCE 1.2	Tue	11:30–12:00	Paulussaal	<b>X-ray induced Coulomb explosion imaging with channel-selectivity</b> — ●REBECCA BOLL
SYCE 1.3	Tue	12:00–12:30	Paulussaal	<b>Time-resolved Coulomb Explosion Imaging using X-ray Free-Electron Lasers</b> — ●TILL JAHNKE
SYCE 1.4	Tue	12:30–13:00	Paulussaal	<b>Dynamics and control of microsolvated biomolecules studied by Coulomb explosion imaging</b> — ●SEBASTIAN TRIPPEL, JOCHEN KÜPPER

#### Sessions

SYCE 1.1–1.4	Tue	11:00–13:00	Paulussaal	<b>Coulomb-Explosion Imaging</b>
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