

Symposium Controlled Molecular Collisions (SYCC)

jointly organized by
 the Molecular Physics Division (MO),
 the Atomic Physics Division (A), and
 the Quantum Optics and Photonics Division (Q)

Roland Wester
 Institut für Ionenphysik und Angewandte Physik
 Technikerstraße 25/3
 A-6020 Innsbruck
 roland.wester@uibk.ac.at

Research in the field of cold and controlled collisions between atoms, molecules, and ions experienced a strong upswing in recent years. A number of new experimental techniques have made it possible to investigate inelastic and reactive collisions with high resolution and thus to test theoretical models with high precision. Not only elementary collisions of light atoms atoms such as hydrogen and helium, but even collisions of transition metal ions can now be investigated.

Overview of Invited Talks and Sessions

(Lecture hall Paulussaal)

Invited Talks

SYCC 1.1	Wed	11:00–11:30	Paulussaal	Dynamics of CO₂ activation by transition metal ions - The importance of intersystem crossing — ●JENNIFER MEYER
SYCC 1.2	Wed	11:30–12:00	Paulussaal	Angular momentum of small molecules: quasiparticles and topology — ●MIKHAIL LEMESHKO
SYCC 1.3	Wed	12:00–12:30	Paulussaal	Manoeuvring chemical reactions one degree of freedom at a time — ●JUTTA TOSCANO
SYCC 1.4	Wed	12:30–13:00	Paulussaal	Cold and controlled collisions using tamed molecular beams — ●SEBASTIAAN VAN DE MEERAKKER

Sessions

SYCC 1.1–1.4	Wed	11:00–13:00	Paulussaal	Controlled Molecular Collisions
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