

# Symposium Interactions with Negatively Charged Molecules (SYIN)

jointly organised by  
the Mass Spectrometry Division (MS) and  
the Molecular Physics Division (MO)

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This symposium focuses on interactions of charged molecular species with photons and on collisions with other gas-phase species. Both processes are of particular interest for emerging isobar separation techniques in Accelerator Mass Spectrometry at low energies. Contributions from astrochemistry, elementary reaction studies, neutralization collisions, fundamental studies of atomic and molecular ions show the innovative potential of this research.

## Overview of Invited Talks and Sessions

(Lecture hall RW 1)

### Invited Talks

SYIN 1.1	Thu	11:00–11:30	RW 1	<b>Negative ion studies at ISOLDE: from radioactive atoms to molecules</b> — ●JESSICA WARBINEK
SYIN 1.2	Thu	11:30–12:00	RW 1	<b>Leak-out spectroscopy in cryogenic ion traps</b> — ●STEPHAN SCHLEMMER, OSKAR ASVANY, SVEN THORWIRTH, PHILIPP SCHMID, WESLEY SILVA, THOMAS SALOMON
SYIN 1.3	Thu	12:00–12:30	RW 1	<b>Studies of negative ions in a cryogenic storage ring using laser driven state manipulation</b> — ●DAG HANSTORP
SYIN 1.4	Thu	12:30–13:00	RW 1	<b>Photodetachment spectroscopy and reactions of negative molecular ions</b> — ●ROLAND WESTER

### Sessions

SYIN 1.1–1.4	Thu	11:00–13:00	RW 1	<b>Symposium Interactions with Negatively Charged Molecules (SYIN)</b>
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