

Mass Spectrometry Division Fachverband Massenspektrometrie (MS)

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Overview of Invited Talks and Sessions

(Lecture hall N 6; Poster Philo 1. OG)

Invited Talks

MS 1.1	Mon	11:30–12:00	N 6	Ion sources and mass separators for on-line radioactive ion beam facilities — ●JENS LASSEN
MS 2.1	Mon	17:00–17:30	N 6	Pushing the Boundaries at FRIB: High-Precision Mass Measurements Near The Driplines — ●FRANZISKA MARIA MAIER, SCOTT CAMPBELL, HANNAH ERINGTON, CHRISTIAN IRELAND, RYAN RINGLE
MS 3.1	Tue	11:00–11:30	N 6	Flying viruses - Native mass spectrometry meets X-rays — ●CHARLOTTE UETRECHT
MS 3.2	Tue	11:30–12:00	N 6	Precision mass measurements of exotic fission fragments — ●ARTHUR JARIES
MS 4.1	Wed	14:30–15:00	N 6	Pushing the boundaries of laser spectroscopy at radioactive ion beam laboratories using mass spectrometry tools — ●AGOTA KOSZORUS
MS 7.1	Thu	14:30–15:00	N 6	Turning Atmospheric Radiocarbon Variability into a Tool: High-Precision Tree-Ring Records for Solar Activity and Cross-Dating — ●LUKAS WACKER, NICOLAS BREHM, MACUS CHRISTL, HANS-ARNO SYNAL, CHARLOTTE L. PEARSON, KURT NICOLUSSI, THOMAS PILCHER, ALEX BAYLISS, DAVID BROWN
MS 8.1	Fri	11:00–11:30	N 6	Nuclear reaction studies at the GSI storage rings - An astrophysics program — ●JAN GLORIUS

Invited Talks of the joint Symposium SAMOP Dissertation Prize 2026 (SYAD)

See SYAD for the full program of the symposium.

SYAD 1.1	Mon	14:30–15:00	RW 1	What graphs can tell us about quantum information — ●KIARA HANSENNE
SYAD 1.2	Mon	15:00–15:30	RW 1	Realization of alkaline-earth circular Rydberg qubits in optical tweezer arrays — ●CHRISTIAN HÖLZL
SYAD 1.3	Mon	15:30–16:00	RW 1	Pattern Formation and Supersolid-like Sound Modes in a Driven Superfluid — ●NIKOLAS LIEBSTER
SYAD 1.4	Mon	16:00–16:30	RW 1	Harnessing time-frequency qudits using integrated nonlinear processes — ●LAURA SERINO

Invited Talks of the joint Symposium Selected Highlights of AMOP in Austria (SYAU)

See SYAU for the full program of the symposium.

SYAU 1.2	Wed	11:15–11:45	RW 1	Supersolidity: When Superfluid Flow Meets Crystalline Order — ●FRANCESCA FERLAINO
SYAU 1.3	Wed	11:45–12:15	RW 1	Charged Helium Nanodroplets: A Cold Laboratory for Molecular Ions — ●ELISABETH GRUBER
SYAU 1.4	Wed	12:15–12:45	RW 1	Advances in Broadband Saturation Spectroscopy: Towards Probing New Physics in the Mid-Infrared — ●OLIVER HECKL
SYAU 1.5	Wed	12:45–13:15	RW 1	Precision laser spectroscopy of the Thorium-229 nuclear transition — ●THORSTEN SCHUMM

Invited Talks of the joint Symposium Interactions with Negatively Charged Molecules (SYIN)

See SYIN for the full program of the symposium.

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

Invited Talks of the joint Symposium Tests of Fundamental Physics with AMO Systems (SYFP)

See SYFP for the full program of the symposium.

SYFP 1.1	Fri	11:00–11:30	RW 1	Searches for new bosons with isotope shift spectroscopy and the thorium nuclear transition — ●ELINA FUCHS
SYFP 1.2	Fri	11:30–12:00	RW 1	Precision spectroscopy of muonic atoms — ●RANDOLF POHL
SYFP 1.3	Fri	12:00–12:30	RW 1	Quantum-Controlled Molecules for Fundamental Physics and Quantum Science — ●NICHOLAS HUTZLER
SYFP 1.4	Fri	12:30–13:00	RW 1	Testing Baryon Asymmetry with Antiprotons — ●STEFAN ULMER

Sessions

MS 1.1–1.5	Mon	11:30–13:00	N 6	Resonance Ionization Spectroscopy / Mass Spectrometry
MS 2.1–2.7	Mon	17:00–19:00	N 6	Precision Mass Spectrometry (joint session MS/Q)
MS 3.1–3.6	Tue	11:00–13:00	N 6	Actinide Analysis
MS 4.1–4.7	Wed	14:30–16:30	N 6	New Methods, Technical Development
MS 5.1–5.13	Wed	17:00–19:00	Philo 1. OG	Poster
MS 6	Thu	13:15–14:15	N 6	Members' Assembly
MS 7.1–7.7	Thu	14:30–16:30	N 6	Accelerator Mass Spectrometry
MS 8.1–8.6	Fri	11:00–12:45	N 6	Isobar Suppression Techniques

Members' Assembly of the Mass Spectrometry Division

Thursday 13:15–14:15 N 6

- Report
- Miscellaneous

Finger food will be provided.