

Mass Spectrometry Division Fachverband Massenspektrometrie (MS)

Robin Golser
Faculty of Physics
University of Vienna
Währinger Str. 17
1090 Vienna
robin.golser@univie.ac.at

Overview of Invited Talks and Sessions

(Lecture room R 1.020; Poster Redoutensaal and Wassersaal)

Invited Talks

MS 1.1	Mon	10:30–11:00	R 1.020	An Improved Value of the Atomic Mass of the Proton — •FLORIAN KÖHLER-LANGES
MS 2.1	Mon	14:00–14:30	R 1.020	Production, Separation and Implantation of ^{163}Ho for Neutrino Mass Measurements — •TOM KIECK, HOLGER DORRER, CHRISTOPH E. DÜLLMANN, KLAUS EBERHARDT, LISA GAMER, CHRISTIAN ENSS, LOREDANA GASTALDO, CLEMENS HASSEL, ULLI KÖSTER, CHRISTOPH MOKRY, JÖRG RUNKE, ANDREAS TÜRLER, KLAUS WENDT
MS 3.1	Mon	16:15–16:45	R 1.020	Direkte Massenmessungen der schwersten Elemente — •MICHAEL BLOCK
MS 4.1	Tue	14:00–14:30	R 1.020	First molecular beam cooled to its lowest quantum states at the Heidelberg Cryogenic Storage Ring — •CHRISTIAN MEYER, ARNO BECKER, KLAUS BLAUM, CHRISTIAN BREITENFELDT, SEBASTIAN GEORGE, JÜRGEN GÖCK, MANFRED GRIESER, FLORIAN GRUSSIE, CLAUDE KRANTZ, HOLGER KRECKEL, PREETI M. MISHRA, OLDŘICH NOVOTNÝ, FELIX NUSSLER, AODH P. O'CONNOR, ROLAND REPNOW, SUNNY SAURABH, STEFAN SCHIPPERS, LUTZ SCHWEIKHARD, KAIJA SPRUCK, STEPHEN VOGEL, ROBERT VON HAHN, PATRICK WILHELM, ANDREAS WOLF
MS 5.1	Wed	14:00–14:30	R 1.020	Nachweis von Beryllium-10 aus exotischen Zerfällen mit Hilfe von Beschleunigermassenspektrometrie (AMS) — •OLIVER FORSTNER, SILKE MERCHEL, JOHANNES LACHNER, IS541 KOLLABORATION
MS 6.1	Thu	10:30–11:00	R 1.020	High precision radiocarbon analysis of annual tree-ring samples — •LUKAS WACKER, STEPHANIE ARNOLD, SILVIA BOLLHALDER LÜCK, MARCUS CHRISTL, HANS-ARNO SYNAL
MS 6.4	Thu	11:30–12:00	R 1.020	A Gas Ion Source and its extension by Laser Ablation for Online Radiocarbon Analyses — •CHRISTIANE YEMAN, LUKAS WACKER, BODO HATTENDORF, MARCUS CHRISTL, CAROLINE WELTE, HANS-ARNO SYNAL

Invited talks of the joint symposium SYPS

See SYPS for the full program of the symposium.

SYPS 1.1	Mon	14:00–14:30	RW HS	Floquet engineering of interacting quantum gases in optical lattices — •ANDRÉ ECKARDT
SYPS 1.2	Mon	14:30–15:00	RW HS	Experiments on driven quantum gas and surprises — •CHENG CHIN
SYPS 1.3	Mon	15:00–15:30	RW HS	Exploring 4D Quantum Hall Physics with a 2D Topological Pumps — •ODED ZILBERBERG, MICHAEL LOHSE, CHRISTIAN SCHWEIZER, IMMANUEL BLOCH, HANNAH PRICE, YAACOV KRAUS, SHENG HUANG, MOHAN WANG, KEVIN CHEN, JONATHAN GUGLIELMON, MIKAEL RECHTSMAN
SYPS 1.4	Mon	15:30–16:00	RW HS	Floquet Discrete Time Crystals in a Trapped-Ion Quantum Simulator — •GUIDO PAGANO, JIEHANG ZHANG, PAUL HESS, ANTONIS KYPRIANIDIS, PATRICK BECKER, JACOB SMITH, AARON LEE, NORMAN YAO, TOBIAS GRASS, ALESSIO CELI, MACIEJ LEWENSTEIN, CHRISTOPHER MONROE

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1	Tue	10:30–11:00	RW HS	Integrated photonic quantum walks in complex lattice structures — •MARKUS GRAEFE
SYAD 1.2	Tue	11:00–11:30	RW HS	Testing the Quantumness of Atom Trajectories — •CARSTEN ROBENS
SYAD 1.3	Tue	11:30–12:00	RW HS	Engineering and probing topological bands with ultracold atoms — •NICK FLÄSCHNER
SYAD 1.4	Tue	12:00–12:30	RW HS	Statistical signatures of many-particle interference — •MATTIA WALSCHAERS

Sessions

MS 1.1–1.5	Mon	10:30–12:00	R 1.020	Precision Mass Spectrometry 1
MS 2.1–2.5	Mon	14:00–15:30	R 1.020	Laser Assisted Mass Spectrometry
MS 3.1–3.3	Mon	16:15–17:15	R 1.020	Precision Mass Spectrometry 2
MS 4.1–4.2	Tue	14:00–14:45	R 1.020	New Developments
MS 5.1–5.6	Wed	14:00–15:45	R 1.020	Accelerator Mass Spectrometry 1
MS 6.1–6.4	Thu	10:30–12:00	R 1.020	Accelerator Mass Spectrometry 2
MS 7	Thu	14:00–14:30	R 1.020	Annual General Meeting of the Mass Spectrometry Division
MS 8.1–8.4	Thu	14:30–15:30	R 1.020	Accelerator Mass Spectrometry 3
MS 9.1–9.5	Thu	16:15–18:15	Redoutensaal	Poster 1
MS 10.1–10.10	Thu	16:15–18:15	Orangerie	Poster 2

Annual General Meeting of the Mass Spectrometry Division

Thursday 14:00–14:30 R. 1.020