

Mass Spectrometry Division Fachverband Massenspektrometrie (MS)

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Overview of Invited Talks and Sessions

(lecture room GÖR 229; Poster P1)

Invited Talks

MS 1.1	Mon	10:30–11:00	GÖR 229	CologneAMS, ein neues Zentrum für Beschleuniger-Massenspektrometrie in Deutschland — ●ALFRED DEWALD, TIBOR DUNAI, STEFAN HEINZE, JAN JOLIE, MARTIN MELLES, JÜRGEN RICHTER, ULRICH RADTKE, JANETTE RETHEMEYER, MICHAEL STAUBWASSER, ANDREAS ZILGES, FRIEDHELM VON BLANCKENBURG
MS 2.1	Mon	14:00–14:30	GÖR 229	Setting-up an accelerator mass spectrometry (AMS) facility: The role of chemistry — ●SILKE MERCHEL, FRANS MUNNIK, CHRISTOFF ANDERMANN, DIDIER BOURLÈS, RÉGIS BRAUCHER, RICHARD GLOAGUEN, MARTIN MARTSCHINI, PETER STEIER
MS 4.1	Tue	10:30–11:00	GÖR 229	On the interconversion of an ion's motional modes in a Penning trap by quadrupolar and octupolar rf-fields — ●MARTIN KRETZSCHMAR
MS 4.2	Tue	11:00–11:30	GÖR 229	High-precision Penning trap mass spectrometry for neutrino physics — ●SERGEY ELISEEV, CHRISTINE BÖHM, KLAUS BLAUM, ANDREAS DÖRR, MIKHAIL GONCHAROV, YURI NOVIKOV, JULIA REPP, CHRISTIAN ROUX
MS 5.1	Wed	10:30–11:00	GÖR 229	Searching for physics beyond the standard model using beta decay — ●MARCUS BECK
MS 6.1	Wed	14:00–14:30	GÖR 229	Hot water in space — ●HENRIK BUHR
MS 7.1	Wed	16:00–16:30	GÖR 229	Laser source of radioactive ion beams at the on-line isotope separation facility ISOLDE at CERN — ●VALENTIN FEDOSSEEV
MS 8.1	Thu	10:30–11:00	GÖR 229	First application of a multi-reflection time-of-flight mass separator to radioactive beams — ●ROBERT N. WOLF
MS 9.1	Fri	10:30–11:00	GÖR 229	Power-law decays of excited aluminum cluster anions and their blackbody radiation dependence — ●MICHAEL FROESE, FELIX BERG, KLAUS BLAUM, MICHAEL LANGE, FELIX LAUX, SEBASTIAN MENK, ROBERT VON HAHN, ANDREAS WOLF

Invited talks of the joint symposium SAMOP-DI

See SAMOP-DP for the full program of the symposium.

SAMOP-DP 1.1	Tue	10:30–11:00	MENSA Dül	Rovibronic ground state molecules near quantum degeneracy — ●JOHANN GEORG DANZL
SAMOP-DP 1.2	Tue	11:00–11:30	MENSA Dül	Manipulation of Large Neutral Molecules with Electric Fields — ●FRANK FILSINGER
SAMOP-DP 1.3	Tue	11:30–12:00	MENSA Dül	Entanglement in spinor Bose-Einstein condensates — ●CHRISTIAN GROSS, TILMAN ZIBOLD, EIKE NICKLAS, HELMUT STROBEL, JIRI TOMKOVIC, MARKUS K OBERTHALER
SAMOP-DP 1.4	Tue	12:00–12:30	MENSA Dül	State-selective transport of single neutral atoms — ●MICHAL KARSKI

Invited talks of the joint symposium SYCH

See SYCH for the full program of the symposium.

SYCH 1.1	Thu	14:00–14:30	HSZ 02	Radiocarbon dating of cultural objects: Limit — ●HANS-ARNO SYNAL
SYCH 1.2	Thu	14:30–15:00	HSZ 02	From Lascaux to Rembrandt. Insights into invisible traces of paintings and drawings from physical methods — ●INA REICHE
SYCH 1.3	Thu	15:00–15:30	HSZ 02	IPANEMA, A European research platform for the study of ancient and historical materials — ●LOÏC BERTRAND
SYCH 1.4	Thu	15:30–16:00	HSZ 02	3D X-ray view of treasures — ●BIRGIT KANNGIESSER, IOANNA MANTOUVALOU, WOLFGANG MALZER
SYCH 2.1	Thu	16:30–17:00	HSZ 02	Looking below the surface of paintings by help of neutrons — ●CLAUDIA LAURENZE-LANDSBERG, CARL OTTO FISCHER
SYCH 2.2	Thu	17:00–17:30	HSZ 02	X-ray fluorescence analysis using synchrotron radiation excitation — ●MARTIN RADTKE, GÜNTER BUZANICH, UWE REINHOLZ, HEINRICH RIESEMEIER
SYCH 2.3	Thu	17:30–18:00	HSZ 02	Metabolic tools to study wine body — ●OLIVER FIEHN, KIRSTEN SKOGERSON, GERT WOHLGEMUTH
SYCH 2.4	Thu	18:00–18:30	HSZ 02	Identification of Ancient Plant Textiles — ●BODIL HOLST, BRIDGET MURPHY

Sessions

MS 1.1–1.7	Mon	10:30–12:30	GÖR 229	Accelerator Mass Spectrometry and Applications
MS 2.1–2.5	Mon	14:00–15:30	GÖR 229	Accelerator Mass Spectrometry and Applications
MS 3.1–3.17	Mon	16:00–18:00	P1	Poster
MS 4.1–4.6	Tue	10:30–12:30	GÖR 229	Precision Mass Spectrometry and Fundamental Applications
MS 5.1–5.6	Wed	10:30–12:15	GÖR 229	Precision Mass Spectrometry and Fundamental Applications
MS 6.1–6.5	Wed	14:00–15:30	GÖR 229	Ion Storage Rings
MS 7.1–7.8	Wed	16:00–18:15	GÖR 229	Resonance Ionization MS, REMPI, MALDI
MS 8.1–8.7	Thu	10:30–12:30	GÖR 229	New Mass Spectrometric Methods and Technical Developments
MS 9.1–9.6	Fri	10:30–12:15	GÖR 229	Ion Trap and FT-ICR-MS, Molecules, Clusters and Reactions

Annual General Meeting of the Mass Spectrometry Division

Wednesday 12:15–12:45 GÖR 229

- Begrüßung
- Bericht des MS-Vorsitzenden
- Vorschläge für Symposien
- Verschiedenes