

Mass Spectrometry Division Fachverband Massenspektrometrie (MS)

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Overview of Invited Talks and Sessions

(Lecture room f128; Poster Empore Lichthof)

Invited Talks

MS 1.1	Mon	11:00–11:30	f128	Towards a nuclear clock: On the direct detection of the Thorium-229 isomer — ●LARS VON DER WENSE, BENEDICT SEIFERLE, MUSTAPHA LAATIAOUI, PETER G. THIROLF
MS 2.1	Mon	14:30–15:00	f128	High Precision Comparison of the Antiproton-to-Proton Charge-to-Mass Ratio — ●STEFAN ULMER
MS 3.1	Mon	15:15–15:45	f128	Mass-Spectroscopic Trace of Transient Reaction Kinetics of CO Oxidation Catalyzed by Uni-Sized Pt Clusters Directly Bound to Si Surface — ●HISATO YASUMATSU
MS 4.1	Tue	14:30–15:00	f128	Applications of ISOLTRAPs multi-reflection time-of-flight mass spectrometer — ●FRANK WIENHOLTZ
MS 7.1	Thu	11:00–11:30	f128	The ILIAS project - Isobar suppression in AMS by laser photodetachment — ●MARTIN MARTSCHINI, PONTUS ANDERSSON, OLIVER FORSTNER, DAG HANSTORP, JOHANNES LACHNER, YUAN LIU, TOBIAS MOREAU, JOHANNA PITTERS, ALFRED PRILLER, PETER STEIER, ROBIN GOLSER
MS 9.1	Thu	14:30–15:00	f128	Multi-actinide analysis with AMS for ultra-trace determination and small sample sizes: advantages and drawbacks — ●FRANCESCA QUINTO, MARKUS LAGOS, MARKUS PLASCHKE, THORSTEN SCHÄFER, PETER STEIER, ROBIN GOLSER, HORST GECKEIS
MS 11.1	Fri	11:00–11:30	f128	Accelerator Mass Spectrometry at AARAMS — ●JESPER OLSEN

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1	Tue	11:00–11:30	e415	Artificial gauge fields and topology with ultracold atoms in optical lattices — ●MONIKA AIDELSBURGER
SYAD 1.2	Tue	11:30–12:00	e415	Many-body physics with impurities in ultracold quantum gases — ●FABIAN GRUSDT
SYAD 1.3	Tue	12:00–12:30	e415	How to determine the handedness of single molecules — ●MARTIN PITZER
SYAD 1.4	Tue	12:30–13:00	e415	Quantum systems under gravitational time dilation — ●MAGDALENA ZYCH

Invited talks of the joint symposium SYML

See SYML for the full program of the symposium.

SYML 1.1	Wed	11:00–11:30	e415	Laboratory studies of interstellar molecules: from the first molecules to complex organics in space — ●HOLGER KRECKEL
SYML 1.2	Wed	11:30–12:00	e415	Detecting astrophysically relevant ions in laboratory and space — ●STEPHAN SCHLEMMER

SYML 1.3	Wed	12:00–12:30	e415	Interstellar ice - a hot topic — ●HAROLD LINNARTZ
SYML 1.4	Wed	12:30–13:00	e415	Exoplanets: The Thorny Path to Habitable Conditions — ●MANUEL GÜDEL
SYML 2.1	Wed	14:30–15:00	e415	Physics with keV Ion Beams in the Cryogenic Storage Ring CSR — ●ANDREAS WOLF
SYML 2.3	Wed	15:15–15:45	e415	A generalized theory for rovibrational motion in cold, extremely floppy molecules — ●HANNO SCHMIEDT, PER JENSEN, STEPHAN SCHLEMMER
SYML 2.6	Wed	16:15–16:45	e415	Lead-cluster investigations at ClusterTrap — STEPHAN KÖNIG, PAUL FISCHER, GERRIT MARX, ●LUTZ SCHWEIKHARD, MARKUS WOLFRAM, ALBERT VASS

Sessions

MS 1.1–1.7	Mon	11:00–13:00	f128	Precision Mass Spectrometry and Fundamental Applications I
MS 2.1–2.2	Mon	14:30–15:15	f128	Precision Mass Spectrometry and Fundamental Applications II
MS 3.1–3.6	Mon	15:15–17:30	f128	Ion Traps, Ion Storage Rings, Molecules, Clusters, Decays and Reactions
MS 4.1–4.7	Tue	14:30–16:30	f128	Resonance Ionization MS and others
MS 5.1–5.6	Tue	16:30–19:00	Empore Lichthof	Posters I
MS 6.1–6.6	Wed	16:30–19:00	Empore Lichthof	Posters II
MS 7.1–7.6	Thu	11:00–12:45	f128	Accelerator Mass Spectrometry and Applications I
MS 8	Thu	12:45–13:15	f128	Annual General Meeting of the Mass Spectrometry Division
MS 9.1–9.6	Thu	14:30–16:15	f128	Accelerator Mass Spectrometry and Applications II
MS 10.1–10.5	Thu	16:30–19:00	Empore Lichthof	Posters III
MS 11.1–11.6	Fri	11:00–12:45	f128	Accelerator Mass Spectrometry and Applications III

Annual General Meeting of the Mass Spectrometry Division

Thursday 12:45–13:15 f128

- Bericht
- Verschiedenes