

Mass Spectrometry Division Fachverband Massenspektrometrie (MS)

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Overview of Invited Talks and Sessions

(Lecture room RW 2; Poster P OGs)

Invited Talks

MS 1.1	Mon	14:30–15:00	RW 2	Mass Measurements at LEBIT — •MARTIN EIBACH, G. BOLLEN, K. GULYUZ, C. IZZO, M. REDSHAW, R. RINGLE, S. SCHWARZ
MS 1.2	Mon	15:00–15:30	RW 2	Precision mass measurements in the context of neutrino-nuclear physics — •MILAD ALANSSARI, DIETER FREKERS, TOMMI ERONEN
MS 2.1	Mon	17:00–17:30	RW 2	Single-ion Penning-trap mass spectrometry using a single ion as detector — •DANIEL RODRIGUEZ
MS 3.1	Tue	11:00–11:30	RW 2	Resonant Laser-SNMS on actinides for spatially resolved ultra-trace analysis — •CLEMENS WALTHER, HAUKE BOSCO, LINDA HAMANN, MICHAEL FRANZMANN, KLAUS WENDT
MS 3.2	Tue	11:30–12:00	RW 2	Developments and applications of the Resonance Ionization Laser Ion Source at the CERN-ISOLDE facility — •BRUCE MARSH
MS 4.1	Tue	14:30–15:00	RW 2	Secondary ion mass spectrometry using large gas cluster ion bombardment — •HUBERT GNASER
MS 6.1	Wed	14:30–15:00	RW 2	Laser Isobar suppression for cooled $^{26}\text{AlO}^-$ and $^{36}\text{Cl}^-$ ions — •JOHANNES LACHNER, ANDREAS KALB, CHRISTOPH MAREK, MARTIN MARTSCHINI, ALFRED PRILLER, PETER STEIER, ROBIN GOLSER

Invited talks of the joint symposium SYDD

See SYDD for the full program of the symposium.

SYDD 1.1	Mon	14:30–15:00	P 1	Controlling (?) Quantum Dynamics with Open Systems — •DIETER MESCHEDÉ
SYDD 1.2	Mon	15:00–15:30	P 1	Many-body physics of driven, open quantum systems: optically driven Rydberg gases — •MICHAEL FLEISCHHAUER
SYDD 1.3	Mon	15:30–16:00	P 1	Theorie getriebener dissipativer Quantensysteme / theory of driven dissipative quantum systems — •TOBIAS BRANDES
SYDD 1.4	Mon	16:00–16:30	P 1	Calorimetry of a Bose-Einstein-condensed photon gas — •MARTIN WEITZ

Invited talks of the joint symposium SYAP

See SYAP for the full program of the symposium.

SYAP 1.1	Tue	11:00–11:30	P 1	Electrons and ions meet ultracold atoms — •HERWIG OTT
SYAP 1.2	Tue	11:30–12:00	P 1	Interrogating strongly bound electrons about fundamental physics — •JOSÉ R. CRESO LÓPEZ-URRUTIA
SYAP 1.3	Tue	12:00–12:30	P 1	Strong-field effects in heavy-ion collisions — •ANDREY SURZHYKOV, VLADIMIR YEROKHIN, THOMAS STÖHLKER, STEPHAN FRITZSCHE

SYAP 1.4 Tue 12:30–13:00 P 1 **Laser-based high photon flux XUV sources and applications in atomic physics** — •JAN ROTHARDT, ROBERT KLAS, STEFAN DEMMLER, MAXIM TSCHERNAJEV, JENS LIMPET, ANDREAS TÜNNERMANN

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1 Wed 11:00–11:30 RW 1 **Exciton transport in disordered organic systems** — •FRANZISKA FENNEL

SYAD 1.2 Wed 11:30–12:00 RW 1 **Quantum dynamics in strongly correlated one-dimensional Bose gases** — •FLORIAN MEINERT

SYAD 1.3 Wed 12:00–12:30 RW 1 **Dynamics and correlations of a Bose-Einstein condensate of light** — •JULIAN SCHMITT

SYAD 1.4 Wed 12:30–13:00 RW 1 **Circular dichroism and accumulative polarimetry of chiral femtochemistry** — •ANDREAS STEINBACHER

Invited talks of the joint symposium SYAM

See SYAM for the full program of the symposium.

SYAM 1.1 Thu 11:00–11:30 P 1 **Buffer gas cooling of antiprotonic helium to T=1.5-1.7 K, and the antiproton to electron mass ratio** — •MASAKI HORI

SYAM 1.2 Thu 11:30–12:00 P 1 **The BASE Experiment: High-precision comparisons of the fundamental properties of protons and antiprotons** — •C. SMORRA, M. BESIRLI, K. BLAUM, M. BOHMAN, M. J. BORCHERT, J. HARRINGTON, T. HIGUCHI, H. NAGAHAMA, Y. MATSUDA, A. MOOSER, C. OSPELKAUS, W. QUINT, S. SELNER, G. SCHNEIDER, N. SCHOEN, T. TANAKA, J. WALZ, Y. YAMAZAKI, S. ULMER

SYAM 1.3 Thu 12:00–12:30 P 1 **Antihydrogen physics at the ALPHA experiment** — •NIELS MADSEN

SYAM 2.1 Thu 14:30–15:00 P 1 **Muon g-2** — •KLAUS JUNGSMANN

SYAM 2.2 Thu 15:00–15:30 P 1 **Antihydrogen physics at ASACUSA and AEGIS** — •CHLOÉ MALBRUNOT

SYAM 2.3 Thu 15:30–16:00 P 1 **An experiment to measure the anti-hydrogen Lamb shift** — •PAOLO CRIVELLI

Sessions

MS 1.1–1.6 Mon 14:30–16:30 RW 2 **Precision Mass Spectrometry and Fundamental Applications I**

MS 2.1–2.7 Mon 17:00–19:00 RW 2 **Precision Mass Spectrometry and Fundamental Applications II**

MS 3.1–3.6 Tue 11:00–13:00 RW 2 **Resonance Ionization MS and others**

MS 4.1–4.3 Tue 14:30–15:30 RW 2 **New Methods and Technical Developments**

MS 5.1–5.3 Tue 15:30–16:15 RW 2 **Cluster**

MS 6.1–6.7 Wed 14:30–16:30 RW 2 **Accelerator Mass Spectrometry and Applications I**

MS 7.1–7.14 Wed 17:00–19:00 P OGs **Poster**

MS 8 Thu 14:00–14:30 RW 2 **Annual General Meeting of the Mass Spectrometry Division, Election**

MS 9.1–9.10 Thu 14:30–17:00 RW 2 **Accelerator Mass Spectrometry and Applications II**

Annual General Meeting of the Mass Spectrometry Division

Thursday 14:00–14:30 RW 2