

Mass Spectrometry Division Fachverband Massenspektrometrie (MS)

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Overview of Invited Talks and Sessions

(Lecture room U A-Esch 2; Poster S Fobau Physik)

Invited Talks

MS 1.1	Mon	10:30–11:00	U A-Esch 2	Shedding light on Isobars — ●ROBIN GOLSER
MS 2.1	Mon	14:00–14:30	U A-Esch 2	Precision mass measurements of short-lived isotopes at TITAN — ●JENS DILLING
MS 6.1	Wed	14:00–14:30	U A-Esch 2	Impact of the Coulomb barrier on the electronic and optical properties of polyanionic silver clusters — KLARA RASPE, NORMAN IWE, MADLEN MÜLLER, FRANKLIN MARTINEZ, ●JOSEF TIGGESBÄUMKER, LUTZ SCHWEIKHARD, KARL-HEINZ MEIWESBROER
MS 6.2	Wed	14:30–15:00	U A-Esch 2	Hitting proteins with a sledgehammer – mass spectrometry meets X-rays — ●CHARLOTTE UETRECHT
MS 8.1	Thu	10:30–11:00	U A-Esch 2	Penning-Trap Mass Spectrometry of the Heaviest Elements with SHIPTRAP — ●OLIVER KALEJA, BRANKICA ANDJELIĆ, OLESYA BEZRODNOVA, KLAUS BLAUM, MICHAEL BLOCK, STANISLAV CHENMAREV, PREMADITYA CHHETRI, CHRISTIAN DROESE, CHRISTOPH E. DÜLLMANN, MARTIN EIBACH, JULIA EVEN, SERGEY ELISEEV, PAVEL FILIANIN, FRANCESCA GIACOPPO, STEFAN GÖTZ, YURI GUSEV, MANUEL GUTIÉRREZ, FRANK HERFURTH, FRITZ-PETER HESSBERGER, NASSER KALANTAR-NAYESTANAKI, JADAMBAA KHUYAGBAATAR, JACQUES J.W. VAN DE LAAR, MUSTAPHA LAATIAOUI, STEFFEN LOHSE, NATALIA MARTYNOVA, ENRIQUE MINAYA-RAMIREZ, ANDREW MISTRY, TOBIAS MURBÖCK, YURI NOVIKOV, SEBASTIAN RAEDER, DANIEL RODRIGUEZ, FABIAN SCHNEIDER, LUTZ SCHWEIKHARD, PETER THIROLF, ALEXANDER YAKUSHEV
MS 8.4	Thu	11:30–12:00	U A-Esch 2	Commissioning of and Preparations for First Experiments at CRYRING@ESR — ●MICHAEL LESTINSKY
MS 9.1	Thu	14:00–14:30	U A-Esch 2	Precision Spectroscopy of Boron Atoms — ●BERNHARD MAASS, JASON CLARK, THOMAS HÜTHER, PHILLIP IMGRAM, SIMON KAUFMANN, KRISTIAN KÖNIG, JÖRG KRÄMER, JAN KRAUSE, ALESSANDRO LOVATO, PETER MÜLLER, KRZYSZTOF PACHUCKI, MARIUSZ PUCHALSKI, ROBERT ROTH, RODOLFO SÁNCHEZ, GUY SAVARD, ROBERT WIRINGA, WILFRIED NÖRTERSCHÄUSER

Invited talks of the joint symposium SYPS

See SYPS for the full program of the symposium.

SYPS 1.1	Mon	14:00–14:30	U Audimax	Optimal control of many-body quantum systems — ●SIMONE MONTANGERO
SYPS 1.2	Mon	14:30–15:00	U Audimax	Light matter quantum interface based on single colour centres in diamond — ●FEDOR JELEZKO
SYPS 1.3	Mon	15:00–15:30	U Audimax	Principles of Quantum Systems Theory and Control Engineering — ●THOMAS SCHULTE-HERBRÜGGEN

SYPS 1.4 Mon 15:30–16:00 U Audimax **Quantum metrology with Rydberg atoms** — ●SEBASTIEN GLEYZES, ARTHUR LARROUY, REMI RICHAUD, SABRINA PATSCH, JEAN-MICHEL RAIMOND, MICHEL BRUNE, CHRISTIANE KOCH

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1 Tue 10:30–11:00 U Audimax **Quantum States and their Marginals: from Multipartite Entanglement to Quantum Error-Correcting Codes** — ●FELIX HUBER

SYAD 1.2 Tue 11:00–11:30 U Audimax **The Uniform Electron Gas at Warm Dense Matter Conditions** — ●SIMON GROTH

SYAD 1.3 Tue 11:30–12:00 U Audimax **Relativistically intense laser-microplasma interactions (and potential applications)** — ●TOBIAS OSTERMAYER

SYAD 1.4 Tue 12:00–12:30 U Audimax **Motional quantum state engineering for quantum logic spectroscopy of molecular ions** — ●FABIAN WOLF

Invited talks of the joint symposium SYSI

See SYSI for the full program of the symposium.

SYSI 1.1 Wed 10:30–11:00 U Audimax **The redefinition of the SI in November 2018** — ●TERRY QUINN

SYSI 1.2 Wed 11:00–11:30 U Audimax **Quantum Hall effect and the new SI** — ●KLAUS VON KLITZING

SYSI 1.3 Wed 11:30–12:00 U Audimax **The electron charge for the definition and realisation of the ampere** — ●JAN-THEODOOR JANSSEN

SYSI 1.4 Wed 12:00–12:30 U Audimax **The Planck constant and the realization of the kilogram** — ●STEPHAN SCHLAMMINGER

Sessions

MS 1.1–1.7	Mon	10:30–12:30	U A-Esch 2	Accelerator Mass Spectrometry and Applications
MS 2.1–2.7	Mon	14:00–16:00	U A-Esch 2	Precision Mass Spectrometry
MS 3.1–3.15	Tue	16:30–18:15	S Fobau Physik	Mass Spectrometry - Posters
MS 4.1–4.7	Wed	10:30–12:15	U A-Esch 2	Accelerator Mass Spectrometry and Applications
MS 5	Wed	12:30–13:00	U A-Esch 2	Annual General Meeting of the Mass Spectrometry Division
MS 6.1–6.2	Wed	14:00–15:00	U A-Esch 2	Clusters and Molecules
MS 7.1–7.3	Wed	15:00–15:45	U A-Esch 2	New Developments and Techniques
MS 8.1–8.6	Thu	10:30–12:30	U A-Esch 2	Precision Mass Spectrometry
MS 9.1–9.7	Thu	14:00–16:00	U A-Esch 2	Resonance Ionization Mass Spectrometry

Annual General Meeting of the Mass Spectrometry Division

Wednesday 12:30–13:00 U A-Esch 2