

Mass Spectrometry Division (MS)

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Overview of Invited Talks and Sessions

(lecture room F 428; poster Lichthof)

Invited Talks

MS 1.1	Mo	14:00–14:30	F 428	Resonanzionisationsmassenspektrometrie (RIMS) zur isotopenselektiven Ultrapurenanalyse von langlebigen Radionukliden — ●NICOLE ERDMANN
MS 1.2	Mo	14:30–15:00	F 428	ESI-MS for nuclear safety assessment: Polymerization of plutonium — ●CLEMENS WALTHER
MS 2.1	Mo	16:30–17:00	F 428	Cold electron collisions at ion storage rings — ●ANDREAS WOLF
MS 2.2	Mo	17:00–17:30	F 428	Photodissociation of dipeptide cations in an electrostatic ion storage ring — ●STEEN BRØNDSTED NIELSEN
MS 3.1	Tu	14:00–14:30	F 428	TOF-$B\rho$ mass measurements of neutron rich nuclei at the NSCL — ●SEBASTIAN GEORGE, ALFREDO ESTRADA, MILAN MATOŠ, MATHEW A. AMTHOR, DANIEL BAZIN, ANA D. BECERRIL, THOM J. ELLIOT, ALEXANDRA GADE, DANIEL GALAVIZ, GIUSEPPE LORUSSO, JORGE PEREIRA, MAURICIO PORTILLO, ANDREW ROGERS, HENDRIK SCHATZ, DAN SHAPIRA, EDWARD SMITH, ANDREAS STOLZ, MARK S. WALLACE
MS 4.1	We	10:30–11:00	F 428	Retrospektive Dosimetrie der I-131 Exposition nach dem Reaktorunfall von Tschernobyl mittels AMS-Messung von I-129 in Böden — ●ROLF MICHEL, ABDELOUAHED DARAOU, JENS KORNTHEUER, MONIKA GORNY, DIETER JAKOB, RÜDIGER SACHSE, VASILY ALFIMOV, HANS-ARNO SYNAL
MS 5.1	We	14:00–14:30	F 428	Progress in Mass Spectrometry of Exotic Nuclei at the FRS-ESR Facility at GSI — ●WOLFGANG PLASS
MS 5.2	We	14:30–15:00	F 428	Mass measurements on neutron-rich fission products and actinoids at TRIGA-TRAP — ●J. KETELAER, T. BEYER, M. BLOCK, K. EBERHARDT, M. EIBACH, F. HERFURTH, SZ. NAGY, C. SMORRA, W. NÖRTERSCHÄUSER, K. BLAUM

Invited talks of the symposium S-AMOP Dissertationspreis (SYDP)

See SYDP for the full program of the Symposium.

SYDP 1.1	Mo	16:30–17:00	F 107	Experimental all-optical one-way quantum computing — ●ROBERT PREVEDEL
SYDP 1.2	Mo	17:00–17:30	F 107	Benchmarks and statistics of entanglement dynamics — ●MARKUS TIER-SCH
SYDP 1.3	Mo	17:30–18:00	F 107	Squeezed Light For Gravitational Wave Astronomy — ●HENNING VAHLBRUCH
SYDP 1.4	Mo	18:00–18:30	F 107	High-precision mass measurements with Penning traps — ●SEBASTIAN GEORGE

Invited talks of the joint symposium 50 Years of Lasers (SYLA)

See SYLA for the full program of the Symposium.

SYLA 1.1	We	14:00–14:30	E 415	How the laser happened — ●HERBERT WELLING
SYLA 1.2	We	14:30–15:00	E 415	The origin of the quantum theory of lasing — ●FRITZ HAAKE

SYLA 1.3	We	15:00–15:30	E 415	Lasers for precision measurements — •THOMAS UDEM
SYLA 1.4	We	15:30–16:00	E 415	Short, Ultra Short, Atto Short — •DIETRICH VON DER LINDE
SYLA 2.1	We	16:30–17:00	E 415	Our Daily Life with Semiconductor Lasers — •DIETER BIMBERG
SYLA 2.2	We	17:00–17:30	E 415	Power to the Industry - the story of Laser upscaling — •REINHART POPRAWE
SYLA 2.3	We	17:30–18:00	E 415	The Outstanding Qualities of Fiber Lasers and Thin Disk Lasers — •ADOLF GIESEN
SYLA 2.4	We	18:00–18:30	E 415	Solid State Lasers:meeting the challenges of the 21st Century — •ROBERT L. BYER

Invited talks of the joint symposium New Methods of Mass Spectroscopy and their Application in the Environmental Science (SYMS)

See SYMS for the full program of the Symposium.

SYMS 1.1	Th	10:30–11:00	A 001	Mass spectrometric measurements of atmospheric trace gases and ions — •FRANK ARNOLD
SYMS 1.2	Th	11:00–11:30	A 001	What do cosmogenic radionuclides in polar ice cores tell us? — •JUERG BEER
SYMS 1.3	Th	11:30–12:00	A 001	Aerosol-Massenspektrometrie: Techniken, Möglichkeiten, Grenzen — •FRANK DREWNICK
SYMS 1.4	Th	12:00–12:30	A 001	Organic compounds in the atmosphere: insights from Isotope Mass Spectrometry — •ASTRID KIENDLER-SCHARR, IULIA GENSCH, THORSTEN HOHAUS, BEATRIX KAMMER, WERNER LAUMER
SYMS 2.1	Th	14:00–14:30	A 001	Cosmogenic and anthropogenic radionuclides in the Earth Surface Sciences — •TIBOR DUNAI
SYMS 2.2	Th	14:30–15:00	A 001	Pushing the limits of high-precision radiocarbon measurements — •LUKAS WACKER, GEORGES BONANI, IRENA HAJDAS, BERND KROMER, HANS-ARNO SYNAL
SYMS 2.3	Th	15:00–15:30	A 001	Precise and accurate analysis of U-series isotopes by MC-ICPMS — •DENIS SCHOLZ
SYMS 2.4	Th	15:30–16:00	A 001	Progress of inorganic mass spectrometry in environmental and life sciences — •J. SABINE BECKER

Invited talks of the joint symposium Precision Spectroscopy of Highly Ionized Matter (SYPS)

See SYPS for the full program of the Symposium.

SYPS 1.1	Fr	11:00–11:30	A 001	Status of QED tests in heavy highly charged ions — •PAUL INDELICATO
SYPS 1.2	Fr	11:30–12:00	A 001	Penning trap mass spectrometry with highly charged ions — •SZILARD NAGY
SYPS 1.3	Fr	12:00–12:30	A 001	Diagnostic of Hot Dense Plasmas by Advanced XUV and X-ray Spectroscopy — •INGO USCHMANN
SYPS 1.4	Fr	12:30–13:00	A 001	Measurements of masses and beta-lifetimes of stored exotic highly charged ions — •FRITZ BOSCH
SYPS 2.1	Fr	14:00–14:30	A 001	Exciting and ionizing trapped highly charged ions with electrons and photons in an EBIT — •JOSÉ R. CRESPO LOPÉZ-URRUTIA
SYPS 2.2	Fr	14:30–15:00	A 001	Precision x-ray spectroscopy of intense laser-plasma interaction experiments — •NIGEL WOOLSEY

Sessions

MS 1.1–1.6	Mo	14:00–16:00	F 428	Laser-Resonanzionisation, REMPI und MALDI
MS 2.1–2.8	Mo	16:30–19:00	F 428	Speicherringe und neue Entwicklungen
MS 3.1–3.7	Tu	14:00–16:00	F 428	Neue massenspektrometrische Methoden und Entwicklungen
MS 4.1–4.9	We	10:30–13:00	F 428	Beschleunigermassenspektrometrie und Anwendungen I
MS 5.1–5.6	We	14:00–16:00	F 428	Präzisionsmassenspektrometrie und Anwendungen I
MS 6.1–6.9	We	16:30–18:45	F 428	Beschleunigermassenspektrometrie und Anwendungen II
MS 7.1–7.7	Th	10:30–12:30	F 428	Präzisionsmassenspektrometrie und Anwendungen II
MS 8.1–8.18	Th	16:00–18:00	Lichthof	Poster

MS 9.1–9.9 Fr 10:30–13:00 F 428 Ionenfallen und FT-IZR-MS, Moleküle, Cluster und Reaktionen

Mitgliederversammlung Fachverband Massenspektrometrie

Dienstag 16:00–16:30 F 428

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