

Mass Spectrometry Division Fachverband Massenspektrometrie (MS)

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Overview of Invited Talks and Sessions

(Lecture hall HS 2 Chemie; Poster Foyer Physik)

Invited Talks

MS 1.1	Mon	15:00–15:30	HS 2 Chemie	Recent technical developments and precision mass measurements at ISOLTRAP — ●CHRISTOPH SCHWEIGER
MS 2.1	Mon	16:45–17:15	HS 2 Chemie	Non destructive mass and lifetime measurement of unstable nuclear states in heavy ion storage rings — ●SHAHAB SANJARI
MS 4.1	Tue	15:45–16:15	HS 2 Chemie	A big scale to measure the tiniest mass - closing in on the neutrino mass with the KATRIN experiment — ●ALEXANDER MARSTELLER
MS 6.1	Thu	11:00–11:30	HS 2 Chemie	Isobar analysis in the actinide range and the characterization of an isotopic Np spike — ●ANDREAS WIEDERIN, MARTIN MARTSCHINI, AYA SAKAGUCHI, PETER STEIER, KARIN HAIN
MS 8.1	Thu	15:45–16:15	HS 2 Chemie	LABEC, the INFN-university of florence laboratory of nuclear techniques (IBA and AMS) for environment and cultural heritage — ●FRANCO LUCARELLI
MS 9.1	Thu	17:30–18:00	HS 2 Chemie	Development of chemical ionization methods based on plasma driven reactant ion production — ●THORSTEN BENTER, HENDRIK KERSTEN, WALTER WISSDORF
MS 10.1	Fri	11:00–11:30	HS 2 Chemie	Rare-RI Ring facility: tool of precision mass spectrometry of short-lived nuclei — ●TAKAYUKI YAMAGUCHI

Invited Talks of the joint Symposium Mass matters: Prospects of Bridging Nuclear Physics, Mass Spectrometry, and Astrophysics (SYMM)

See SYMM for the full program of the symposium.

SYMM 1.1	Tue	11:00–11:30	Kurt-Alder HS Chemie	Mass measurements with RIBs — ●GUY SAVARD
SYMM 1.2	Tue	11:30–12:00	Kurt-Alder HS Chemie	LUNA -Experimental challenges in Underground Nuclear Astrophysics Laboratory — ●ALBA FORMICOLA
SYMM 1.3	Tue	12:00–12:30	Kurt-Alder HS Chemie	The r-process: connecting astrophysics and nuclear physics — ●ALMUDENA ARCONES

Invited Talks of the joint Symposium Precision Measurements at the Intersection of Atomic and Nuclear Physics (SYPM)

See SYPM at the SAMOP meeting in Bonn for the full program of the symposium

SYPM 1.1	Wed	14:30–15:00	HS 1+2	Probing new bosons and nuclear structure with ytterbium isotope shifts — ●TANJA MEHLSTÄUBLER, CHIH-HAN YEH, HENNING FÜRST, LAURA DREISSEN
SYPM 1.2	Wed	15:00–15:30	HS 1+2	Probing the stars: Nuclear astrophysics with stable and radioactive ion beams — ●RAGANDEEP SINGH SIDHU
SYPM 1.3	Wed	15:30–16:00	HS 1+2	Precision measurements and metrology applications at the borderline between atomic and nuclear physics — ●ADRIANA PÁLFFY

SYPM 1.4 Wed 16:00–16:30 HS 1+2 **Atomic parity violation: the seventh decade** — •DMITRY BUDKER

Sessions

MS 1.1–1.5	Mon	15:00–16:30	HS 2 Chemie	Heavy and Superheavy Elements
MS 2.1–2.5	Mon	16:45–18:15	HS 2 Chemie	New Methods, Technical Development I
MS 3	Tue	13:00–14:00	HS 2 Chemie	Members' Assembly
MS 4.1–4.5	Tue	15:45–17:15	HS 2 Chemie	Application to Astrophysics
MS 5.1–5.9	Tue	17:30–19:00	Foyer Physik	Poster
MS 6.1–6.5	Thu	11:00–12:30	HS 2 Chemie	Isobar Suppression Techniques
MS 7.1–7.3	Thu	14:45–15:30	HS 2 Chemie	New Methods, Technical Development II
MS 8.1–8.5	Thu	15:45–17:15	HS 2 Chemie	Accelerator Mass Spectrometry I
MS 9.1–9.5	Thu	17:30–19:00	HS 2 Chemie	Actinide Analysis
MS 10.1–10.5	Fri	11:00–12:30	HS 2 Chemie	Accelerator Mass Spectrometry II

Members' Assembly of the Mass Spectrometry Division

Tuesday 13:00–14:00 HS 2 Chemie

- Report
- Miscellaneous