

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

jointly organised by
the Mass Spectrometry Division (MS) and
the Atomic Physics Division (A)

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The fact that SAMOP and HK hold their meetings in close proximity provides an excellent opportunity to organise a multidisciplinary symposium of common interest. The symposium will focus on the most recent mass spectrometric and atomic physics experiments which deliver results with unprecedented precision. Such results are used today to test and constrain fundamental interactions, search for new physics or resolve long-standing puzzles. The experiments involve the most advanced trapping and detection technologies, like quantum logic spectroscopy or single highly charged ion trapping devices.

Overview of Invited Talks and Sessions

(Lecture hall HS 1+2)

Invited Talks

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

SYPM 1.1–1.4	Wed	14:30–16:30	HS 1+2	Precision Measurements at the Intersection of Atomic and Nuclear Physics
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