

Guest Country Symposium Austria: "Selected Highlights of AMOP in Austria" (SYAU)

jointly organised by
the Mass Spectrometry Division (MS),
the Quantum Optics and Photonics Division (Q),
the Atomic Physics Division (A), and
the Molecular Physics Division (MO)

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Austria is the guest country at this SAMOP Spring Meeting. Austria and Germany look back on a long tradition of successful cooperation, a highlight example being the birth of quantum mechanics in 1925 with groundbreaking work by researchers from both Austria and Germany. The formulation of quantum mechanics laid a lasting foundation for our physical understanding of nature, and today, a good 100 years later, has an impact on all areas of culture, science, and technology. With this symposium, the DPG would like to sustainably expand these intensive connections in the fields of atomic and molecular physics, quantum optics, photonics and mass spectrometry. Further highlights will be set by excellent plenary and keynote speakers from Austria.

Overview of Invited Talks and Sessions

(Lecture hall RW 1)

Greeting and Invited Talks

SYAU 1.1	Wed	11:00–11:15	RW 1	Greeting by the President of ÖPG — •ALBERTA BONANNI
SYAU 1.2	Wed	11:15–11:45	RW 1	Supersolidity: When Superfluid Flow Meets Crystalline Order — •FRANCESCA FERLAINO
SYAU 1.3	Wed	11:45–12:15	RW 1	Charged Helium Nanodroplets: A Cold Laboratory for Molecular Ions — •ELISABETH GRUBER
SYAU 1.4	Wed	12:15–12:45	RW 1	Advances in Broadband Saturation Spectroscopy: Towards Probing New Physics in the Mid-Infrared — •OLIVER HECKL
SYAU 1.5	Wed	12:45–13:15	RW 1	Precision laser spectroscopy of the Thorium-229 nuclear transition — •THORSTEN SCHUMM

Sessions

SYAU 1.1–1.5	Wed	11:00–13:15	RW 1	Selected highlights of AMOP in Austria
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