Symposium Applied Noble Gas Physics (SYNG)

jointly organized by
the Mass Spectrometry Division (MS),
the Molecular Physics Division (MO), and
the Environmental Physics Division (UP)

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Overview of Invited Talks and Sessions

(Lecture room: C/gHS)

Invited Talks

SYNG 1.1	Thu	11:00–11:30	C/gHS	**Development of a new facility for measuring 81Kr and 85Kr at ultra-trace level in environmental samples.** — •Bernard Lavielle, Eric Gilabert, Bertrand Thomas, Romain Rebeix, Grégory Canchel, Christophe Moulin, Sylvain Topin, Fabien Pointurier
SYNG 1.2	Thu	11:30–12:00	C/gHS	**Atom counting system to measure trace krypton contamination in ultra-pure xenon** — •Andre Loose, Tanya Zelevinsky, Elena Aprile
SYNG 1.3	Thu	12:00–12:30	C/gHS	**Krypton-85 and Radioxenon: Environmental Tracers and Indicators for Nuclear Activities** — •Clemens Schlosser, Verena Heidmann, Martina Konrad, Sabine Schmid
SYNG 2.1	Thu	14:30–15:00	C/gHS	**Using Noble Gases to Understand the History of Terrestrial Volatiles** — •Don Porcelli
SYNG 2.2	Thu	15:00–15:30	C/gHS	**Noble gas analysis in water: from temperature reconstruction over excess formation to oxygen turnover on environmentally relevant time scales** — •Rolf Kipfer, Matthias Brennwald
SYNG 2.3	Thu	15:30–16:00	C/gHS	**Applications of Noble Gases in Oceanography** — •Peter Schlosser, Robert Newton, Gisela Winckler, Angelica Pasqualini

Sessions

SYNG 1.1–1.5	Thu	11:00–13:00	C/gHS	**Applied Noble Gas Physics Part 1**
SYNG 2.1–2.5	Thu	14:30–16:30	C/gHS	**Applied Noble Gas Physics Part 2**