Symposium Strange Clouds – from the Earth to Exoplanets (SYSC)

jointly organised by
the Environmental Physics Division (UP) and
the Extraterrestrial Physics Division (EP)

Christian von Savigny
Institut für Physik
Felix-Hausdorff-Str. 6
17489 Greifswald
csavigny@physik.uni-greifswald.de

Miriam Sinnhuber
Karlsruhe Institut of Technology
Hermann-von Helmholtz Platz 1
76344 Eggenstein-Leopoldshafen
miriam.sinnhuber@kit.edu

Clouds serve an essential purpose in the Earth's lower atmosphere due to their impact on the radiative balance of the atmosphere. Clouds are found also in other planetary atmospheres throughout the solar system and even on exoplanets, and those clouds can differ strongly in their chemical composition from Earth's water/ice clouds. This session provides a forum on the fascinating properties of these "strange clouds": clouds in planetary atmospheres that differ from the ordinary clouds in the Earth's troposphere.

Overview of Invited Talks and Sessions

(Lecture hall HSZ/0004)

Invited Talks

SYSC 1.1	Tue	11:00–11:20	HSZ/0004	**Not all clouds are created equal – strange clouds in our solar system** — •Thomas Leisner
SYSC 1.2	Tue	11:20–11:45	HSZ/0004	**Clouds to the Edge of Space** — •Gerd Baumgarten, Ronald Eixmann, Jens Fiedler, Michael Gerding, Mykhaylo Grygalashvyly, Franz-Josef Lübken, Ashique Vellalassery, Christian von Savigny, Robin Wing
SYSC 1.3	Tue	11:45–12:10	HSZ/0004	**The dynamic clouds of Venus** — •Javier Peralta
SYSC 1.4	Tue	12:10–12:35	HSZ/0004	**Observational constraints of exoplanet clouds** — •Nicolas Iro
SYSC 1.5	Tue	12:35–13:00	HSZ/0004	**Gemstone clouds in JWST target exoplanets** — •Dominic Samra, Christiane Helling

Sessions

SYSC 1.1–1.5	Tue	11:00–13:00	HSZ/0004	**Strange Clouds – From the Earth to Exoplanets**