

## Extraterrestrial Physics Division Fachverband Extraterrestrische Physik (EP)

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### Overview of Invited Talks and Sessions

(Lecture halls HSZ/0004 and ZEU/0160; Poster HSZ OG 1)

#### Plenary Talk of the Extraterrestrial Physics Division

PV IV Tue 9:00– 9:45 HSZ/AUDI **Characterising exoplanet atmospheres with the Webb space telescope** — ●PIERRE-OLIVIER LAGAGE

#### Invited Talks

EP 1.1	Mon	10:45–11:15	HSZ/0004	<b>A Melting Probe for the Exploration of Subglacial Lakes within the TRIPLE project line</b> — ●MIA GIANG DO, JAN AUDEHM, CLEMENS ESPE, MARCO FELDMANN, GERO FRANCKE, FABIAN SCHÖTTLER, DIRK HEINEN, STEFAN KAISER, ANDREAS NÖLL, CHRISTOPHER WIEBUSCH, YUTING YE, SIMON ZIERKE
EP 2.1	Mon	16:15–16:45	ZEU/0160	<b>The exoplanet revolution: towards habitable worlds</b> — ●ALEXIS SMITH
EP 5.1	Wed	10:45–11:15	ZEU/0160	<b>New insights into the elusive magnetic processes operating in the solar corona with SoLO/EUI</b> — ●LAKSHMI PRADEEP CHITTA
EP 5.3	Wed	11:30–12:00	ZEU/0160	<b>Studying solar flares with the X-ray telescope STIX during the cruise and early science phase of Solar Orbiter</b> — ●ALEXANDER WARMUTH
EP 7.1	Wed	14:15–14:45	ZEU/0160	<b>Advances in energetic particle physics with Solar Orbiter &amp; Parker Solar Probe</b> — ●ROBERT F. WIMMER-SCHWEINGRUBER, JAVIER RODRIGUEZ-PACHECO, GEORGE C. HO, ROBERT A. ALLEN, RAUL GOMEZ-HERRERO, AND THE SOLAR ORBITER EPD TEAM
EP 7.3	Wed	15:00–15:30	ZEU/0160	<b>New Insights in Simulations of SEP Events with the PARADISE+ICARUS Model</b> — ●EDIN HUSIDIC, NICOLAS WIJSEN, TINATIN BARATASHVILI, STEFAAN POEDTS, RAMI VAINIO
EP 8.1	Wed	16:00–16:30	ZEU/0160	<b>Precision measurements of cosmic ray fluxes from AMS-02 with a daily time resolution</b> — ●STEFAN SCHAEEL
EP 10.1	Thu	11:00–11:45	ZEU/0160	<b>Arne-Richter Lecture: From nonthermal plasmaastrophysics to modeling of pandemic outbreaks</b> — ●REINHARD SCHLICKEISER
EP 11.1	Thu	14:00–14:30	ZEU/0160	<b>Energetic Particle Precipitation reflected in the Global Secondary Ozone Distribution</b> — ●JIA JIA, LISA E. MURBERG, TIRIL LØVSET, YVAN J. ORSOLINI, PATRICK J. ESPY, JUDE SALINAS, JAE N. LEE, DONG WU, JIARONG ZHANG
EP 12.1	Thu	15:45–16:15	ZEU/0160	<b>Ultra-relativistic Electrons in the Earth's Van Allen Radiation Belts</b> — ●YURI Y. SHPRITS, HAYLEY ALLISON, NIKITA ASEEV, DEDONG WANG, ALEXANDER DROZDOV
EP 13.1	Thu	17:30–18:00	ZEU/0160	<b>Time-dependent data analysis of a blazar flare</b> — ●MAXIMILIAN ALBRECHT, FELIX SPANIER
EP 14.1	Fri	11:00–11:30	HSZ/0004	<b>Unveiling the secrets of hot, massive stars with modern stellar atmosphere models</b> — ●ANDREAS A C SANDER

## Invited Talks of the joint Symposium Strange Clouds – from the Earth to Exoplanets (SYSC)

See SYSC for the full program of the symposium.

SYSC 1.1	Tue	11:00–11:20	HSZ/0004	<b>Not all clouds are created equal – strange clouds in our solar system</b> — ●THOMAS LEISNER
SYSC 1.2	Tue	11:20–11:45	HSZ/0004	<b>Clouds to the Edge of Space</b> — ●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	<b>The dynamic clouds of Venus</b> — ●JAVIER PERALTA
SYSC 1.4	Tue	12:10–12:35	HSZ/0004	<b>Observational constraints of exoplanet clouds</b> — ●NICOLAS IRO
SYSC 1.5	Tue	12:35–13:00	HSZ/0004	<b>Gemstone clouds in JWST target exoplanets</b> — ●DOMINIC SAMRA, CHRISTIANE HELLING

## Sessions

EP 1.1–1.8	Mon	10:45–13:00	HSZ/0004	<b>Planets and small Objects</b>
EP 2.1–2.5	Mon	16:15–17:45	ZEU/0160	<b>Exoplanets and Astrobiology</b>
EP 3.1–3.5	Tue	16:45–18:00	ZEU/0160	<b>Clouds in Planetary Atmospheres (joint session EP/UP)</b>
EP 4.1–4.4	Tue	18:00–19:00	ZEU/0160	<b>Planetary atmospheres</b>
EP 5.1–5.6	Wed	10:45–12:45	ZEU/0160	<b>Sun and heliosphere I</b>
EP 6	Wed	13:00–14:00	ZEU/0160	<b>Members' Assembly</b>
EP 7.1–7.4	Wed	14:15–15:45	ZEU/0160	<b>Sun and heliosphere II</b>
EP 8.1–8.4	Wed	16:00–17:15	ZEU/0160	<b>Sun and heliosphere III</b>
EP 9.1–9.20	Wed	17:30–19:00	HSZ OG1	<b>Poster</b>
EP 10.1–10.6	Thu	11:00–13:00	ZEU/0160	<b>Astrophysics: Cosmic Rays and Galaxies I</b>
EP 11.1–11.5	Thu	14:00–15:30	ZEU/0160	<b>Near-Earth Space I</b>
EP 12.1–12.5	Thu	15:45–17:15	ZEU/0160	<b>Near-Earth Space II</b>
EP 13.1–13.5	Thu	17:30–19:00	ZEU/0160	<b>Astrophysics: Galaxies II</b>
EP 14.1–14.7	Fri	11:00–13:00	HSZ/0004	<b>Astrophysics: Stellar Astrophysics</b>
EP 15.1–15.6	Fri	14:00–15:30	HSZ/0004	<b>Astrophysics: Cosmology</b>

## Members' Assembly of the Extraterrestrial Physics Division

Wednesday 13:00–14:00 ZEU/0160