

Session Program

8-10 Oct 2025

RAPP 10 years

Session

Bergbaumuseum Bochum, Germany

Thursday 9 October

09:30

Session: Session I

Session | **Location:** Bergbaumuseum Bochum, Germany | **Convener:** Kevin Schoeffler

09:30-10:00 **Introduction**

Speaker

Julia Tjus

10:00-10:30

From the knee to the highest energies: Today's ideas on cosmic accelerators

Speaker

Foteini Oikonomou

10:30-11:00 **Turbulent plasmas in the high-energy universe**

Speaker

Martin Lemoine

11:00

11:30

Session: Session II

Session | **Location:** Bergbaumuseum Bochum, Germany | **Convener:** Lars Kolk

11:30-12:00

Collisional plasmas in the laboratory: where microscopic events control macroscopic behavior.

Speaker

Màté Vass

12:00-12:30 **Observing galactic halos with radio eyes**

Speaker

Michael Stein

12:30-13:00 **LHCb's contributions to astroparticle physics**

Speaker

Michael Schmelling

13:00

14:30

Session: Session III

Session | **Location:** Bergbaumuseum Bochum, Germany | **Convener:** Crystal Mele

14:30-15:00 **Antimatter Matters: the past, present and future of LHCb**

Speaker

Chris Parkes

15:00-15:30 **AGN-host coevolution - a case for LLAGN**

Speaker

Anne-Kathrin Baczko

15:30-16:00

Neutrinos from the Galactic plane - What do we know and what can we learn?

16:00

Speaker

Jonas Hellrung

Friday 10 October

09:30

Session: Session V

Session | **Location:** Bergbaumuseum Bochum, Germany | **Convener:** Jonas Hellrung

09:30–10:00 **Magnetic fields in the Milky Way**

Speaker

Mareijke Haverkorn

10:00–10:30 **The hot phase of the interstellar medium**

Speaker

Manami Sasaki

10:30–11:00

Hadronic interactions from colliders to cosmic rays: Pythia 8/Angantyr for air shower simulations

Speaker

Chloé Gaudu

11:00

11:30

Session: Session VI

Session | **Location:** Bergbaumuseum Bochum, Germany | **Convener:** Michael Stein

11:30–12:00 **Constraining the sources of ultra-high-energy cosmic rays**

Speaker

Teresa Bister

12:00–12:30

Time Series Machine Learning for Astrophysics: Opportunities and Applications in Blazar Flare Forecasting

Speaker

Amal Saadallah

12:30–13:00 **Closing Remarks**

13:00