

## **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**

Máté 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

### 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