

## **Session Program**

**10-14 Jan 2022**

# **XXVIII Cracow EIPHANY Conference on Recent Advances in Astroparticle Physics**

## ***Particle acceleration I***

IFJ PAN

Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152  
Radzikowskiego Street, Cracow, Poland

# Wednesday 12 January

09:00

## Particle acceleration I

**Session** |

**Location:** IFJ PAN, Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152 Radzikowskiego Street, Cracow, Poland |

**Convener:** Agnieszka Janiuk

09:00–09:30

### Nonthermal particle accelerator of magnetic reconnection

**Speaker**

Masahiro Hoshino

09:30–09:55

### PIC Simulations of Particle Acceleration in Magnetized Relativistic Shocks

**Speaker**

Masanori Iwamoto

09:55–10:25

### Electron injection at shocks: Transition from stochastic shock drift acceleration to diffusive shock acceleration

**Speaker**

Takanobu Amano

10:25–10:50

### Electron acceleration at supernova remnants

**Speaker**

Artem Bohdan

10:50

11:20

## Particle acceleration I

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**Convener:** Masahiro Hoshino

11:20–11:50

### Particle Acceleration at Weak Shocks Induced by Mergers of Galaxy Clusters

**Speaker**

Hyesung Kang

11:50–12:05

### Electron acceleration at rippled low-Mach-number shocks in high-beta cosmic plasmas: role of the pre-shock conditions

**Speaker**

Oleh Kobzar

12:05