

Session Program

10-14 Jan 2022

XXVIII Cracow EIPHANY Conference on Recent Advances in Astroparticle Physics

Young Scientists' Session

IFJ PAN

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

Friday 14 January

13:15

Young Scientists' Session: Cosmic ray acceleration

Session |

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

Convener: Alicja Wiercholska

13:15–13:25

Numerical study of orbital and statistical behaviors of galactic cosmic rays invading into the heliosphere

Speaker

Kotaro Yoshida

13:25–13:35

Galactic magnetars as transient ultra high energy cosmic ray sources

Speaker

Vadym Voitsekhovskiy

13:35–13:45

Cosmic rays acceleration in SN 1006

Speaker

Roberta Giuffrida

13:45–13:55

A spatially resolved study of hard X-ray emission in Kepler's SNR: indications of different regimes of particle acceleration

Speaker

Vincenzo Sapienza

13:55–14:05

PIC simulations of SNR's shock waves with a turbulent upstream medium

Speaker

Karol Fułat

14:05–14:15

Hydrodynamics and radiation from colliding pulsar and stellar winds in a high-mass binary system

Speaker

Gabriel Torralba Paz

14:15–14:25

Jump Conditions for a Relativistic Shock Propagating in a Resistive Medium

Speaker

Argyrios Loules

14:25–14:35

Stability analysis of relativistic magnetised astrophysical jets: a hyper-unstable solution

Speaker

Charalampos Sinnis

14:35