

**Session Program**

**22-26 Apr 2024**



**30th Young Scientists' Conference on  
Astronomy and Space Physics**

***High energy astrophysics and astroparticle  
physics***

# Friday 26 April

11:30

## High energy astrophysics and astroparticle physics

Session | Location: | Convener: Pavlo Plotko

11:30–11:45 **X-ray Study of Segments of Cygnus loop**

**Speaker**

Rupesh Behera

11:45–12:00 **Gamma-ray emission from the outskirts of magnetar SGR1900+14**

**Speaker**

Vladyslav Nikitchenko

12:00–12:15 **Studies of variability mechanism in Blazars Jets using X-ray Data**

**Speaker**

Kiran Wani

12:15–12:30 **Can FSRQ 3C 345 be a very high energy blazar candidate?**

**Speaker**

Athar Ahmad Dar

12:30–12:45

**Superluminal Motion and Jet Parameters in a Gamma-ray-emitting Narrow-line Seyfert 1 Galaxy**

**Speaker**

Bettina Kozák

12:45–13:00 **Interpreting the hard X-ray emission from the large scale jet of AGN**

**Speaker**

Amal Abdulrahman

13:00–13:15 **GRBs localization with nano-satellites constellations**

**Speaker**

Wladimiro Leone

13:15–13:30 **Tidal Disruption Events as the origin of UHECR**

**Speaker**

Pavlo Plotko

13:30–14:00 **Coffee-break**

14:00–14:15

**High energy astrophysical neutrinos from the central cluster of the Shapley supercluster**

**Speaker**

Mykhailo Poleshchuk

14:15–14:30

**Gamma-ray emission of the central region of the Shapley Supercluster**

**Speaker**  
Valentyna Babur

14:30-14:45

**Search for the sources of UHECRs: A Simulation-Based Study of CRs backpropagation near SGR 1900+14**

**Speaker**  
Vadym Voitsekhovskiy

14:45-15:00

**Probing Dark Matter with Gamma-Ray Signals from the Shapley Supercluster**

**Speaker**  
Maksym Stepanov

15:00