

Session Program

24-28 Oct 2022



28th Young Scientists' Conference on Astronomy and Space Physics

***High energy astronomy and astronomical
physics***

Friday 28 October

12:15

High energy astronomy and astronomical physics

Session | Convener: Mr Pavlo Plotko

12:15–13:00 **Supernova remnants are sources of Galactic cosmic rays, or are they?**

Speaker

Prof. Iurii Sushch

13:00–13:15

The curvature emission model of unusual neutron star candidate 1RXS J141256.0+792204 (Calvera)

Speaker

Ms Natia Kevlishvili

13:15–13:30

X-ray intraday variability of the TeV blazar Mrk 421 with XMM-Newton

Speaker

Ms Angel Priyana Noel

13:30–13:45

Neutrinos oscillation : a qualitative analysis

Speaker

Ms Silvia Lucia Correa Angel

13:45–14:00

Rotochemical heating in hybrid stars

Speaker

Mr Pavlo Panasiuk

14:00–14:15

Coffee break

14:15–14:30

Impact of asymmetric bosonic dark matter on neutron star properties

Speaker

Mr Edoardo Giangrandi

14:30–14:45

Dark matter profiles of SPARC galaxies

Speaker

Dr Anton Rudakovskiy

14:45–15:00

Indication of a Local Source of Ultra-High-Energy Cosmic Rays in the Northern Hemisphere

Speaker

Mr Pavlo Plotko

15:00–15:05

Model for nuclear radio emission in super-Eddington AGNs

Speaker

Mr Pablo Sotomayor

15:05