

Session Program

22-26 Apr 2024



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

Extragalactic astrophysics

Monday 22 April

09:30

Extragalactic astrophysics

Session | **Location:** | **Convener:** Olena Torbaniuk

09:30–10:15 **Evolution of galaxies in the large scale structure of the Universe**

Speaker

Prof. Agnieszka Pollo

10:15–10:30

A story of streams: the dynamical friction effect on the tails of globular clusters

Speaker

Aikaterini Niovi Triantafyllaki

10:30–10:45

SDSS-galaxies with Polar Ring: compiling a training sample for deep learning methods

Speaker

Oleksandr Hetmantsev

10:45–11:00

Multiwavelength analysis of the galaxy NGC 3521

Speaker

Olena Pastoven

11:00–11:15

Direct detection of Lyman Continuum leakers at $1 < z < 1.6$

Speaker

Suraj Dhiwar

11:15–11:30

New capability for investigation of the orientation of galaxies in clusters

Speaker

Błażej Mrzyglód

11:45–12:15

Coffee-break

12:15–12:30

Where can we find galaxy mergers: under-dense or over-dense environments?

Speaker

Unnikrishnan Sureshkumar

12:30–12:45

Galaxy merger features concealed in the background

Speaker

Luis Suelves

12:45–13:00

Multiwavelength properties of the low-redshift isolated galaxies with active nuclei

Speaker

Olena Kompaniets

13:00-13:15 **Covering Factor in AGNs: the role of contaminations**

Speaker

Mateusz Ralowski

13:15-13:30

Outer gravitational potential of an elliptical torus with inhomogeneous density distribution

Speaker

Serhii Skolota

13:30-13:45

Gravitational lensing effects on a homogeneous torus with a central mass

Speaker

Denys Ilchenko

13:45-14:00

Probing SMBH growth and its dependence on stellar mass and star formation rate in low-redshift galaxies

Speaker

Olena Torbaniuk

14:00-14:15

Studies on Eccentric Kozai Resonances for Equal Mass Hierarchical Triples

Speaker

Wei Hao

14:40-15:10 **Coffee-break**

15:10-15:25 **X-ray spectra of binary nuclei of galaxies**

Speaker

Maksym But

15:25-15:30 **uGMRT analysis of a Quasar showing extreme variation in X-ray flux**

Speaker

Ayushi Chhipa

15:30-15:35

Unveiling the fractal nature of star formation of the Small Magellanic Cloud with UVIT/AstroSat

Speaker

Sipra Hota

15:35-15:40

Environmental dependencies of galaxy properties in the southern regions of GAMA survey

Speaker

Koti Joy

15:40-15:45 **The study of extended radio galaxies in MERGHERS fields**

Speaker

Banele Mthembu

15:45