



**Bogolyubov Institute for Theoretical Physics
of the National Academy of Sciences of Ukraine**



**XV Conference of Young Scientists
Problems of Theoretical Physics**

June 10–12, 2025

TOPICS OF THE CONFERENCE

High-energy physics, astroparticle physics, cosmology, nuclear theory, quantum field theory, quantum technologies and optics, symmetry theory, biophysics, nanosystems and plasma physics, and the dynamics of open, strongly nonequilibrium systems in physics, and information science — including the integration of artificial intelligence in physical research.

SECTIONS

- *Astrophysics and Cosmology*
- *Physics of Nuclei and Elementary Particles*
- *Condensed Matter and Statistical Theory of Many-body Systems*
- *Biophysics*
- *Quantum Technologies, Foundations and Optics*
- *Mathematical Physics*
- *Artificial Intelligence in Physics*

Plus: Lectures by leading scientists

We invite undergraduate and postgraduate students, as well as young scientists under the age of **36**. The working language of the conference is English.

Proceedings of the best talks will be recommended for publishing in the *Ukrainian Journal of Physics*.

The event will be held in a hybrid format: offline in Kyiv, Ukraine, and online via the Zoom platform.

There is no conference fee for participation.

To participate in the Conference, please complete the registration form on the official website <https://indico.bttp.kiev.ua/event/16/> and submit a one-page abstract of your talk in English.

Contacts of the Organizing Committee at: confyoung.kiev@gmail.com.

The deadline for abstract and registration form submission is June 1st.

ORGANIZING COMMITTEE: Head – Prof Dr. Sergiy Perepelytsya; Ph.D. Anton Rudakovskiy; Ph.D. Yurii Zhuravlev; Ph.D. Ivan Starodub; Ph.D. Denys Savchenko; Ph.D. Dmytro Piatnytskyi; Serhii Toonik