

# XXIV Baikai International Summer School on Physics of Elementary Particles and Astrophysics



**Yifang Wang**  
IHEP

Ph.D., Director of the Institute of High Energy Physics (IHEP) of the Chinese Academy of Sciences in Beijing.

Winner of the W. K. H. Panofsky Prize in 2013, the 20th Nikkei Asia Prize in 2015, the Breakthrough Prize in Fundamental Physics in 2016, the Bruno Pontecorvo Prize in 2016 and the Future Science Prize in 2019.

**SCIENTIFIC INTERESTS:** neutrino physics,  $e^+e^-$  collision physics, detector design and construction, methods for data analysis.



**Konstantin Postnov**  
SAI

Doctor of Sciences (Physics and Mathematics), Professor of the Department of Astrophysics and Stellar Astronomy of the Faculty of Physics of Moscow State University, Director of the Sternberg Astronomical Institute, Corresponding Member of the Russian Academy of Sciences.

Winner of the Lomonosov Prize in 2003, the Bredikhin Prize in 2016.

**SCIENTIFIC INTERESTS:** relativistic astrophysics, contact binary, gravitational-wave astronomy.



**Dmitry Naumov**  
JINR

Doctor of Sciences (Physics and Mathematics), Deputy Director of the Dzhelapov Laboratory of Nuclear Problems, Head of the JINR Neutrino Program.

Winner of The Breakthrough Prize in Fundamental Physics in 2016 (within the Daya Bay collaboration), European Physical Society Prize in 2023 (within the Daya Bay collaboration), winner of JINR Prizes.

**SCIENTIFIC INTERESTS:** neutrino physics, astrophysics and physics of cosmic rays, particle physics, quantum field theory and cosmology.



**Sergey Troitsky**  
INR RAS

Doctor of Sciences (Physics and Mathematics), Chief Researcher at the Institute for Nuclear Research of the Russian Academy of Sciences, Corresponding Member of the Russian Academy of Sciences, Professor of RAS, Specialist in the field of particle physics.

**SCIENTIFIC INTERESTS:** particle physics, particle astrophysics, particle theory beyond the Standard model, quantum field theory.



**Shun Zhou**  
IHEP

Ph.D., Research Scientist at the Institute of High Energy Physics (IHEP) of the Chinese Academy of Sciences, Professor at the University of the Chinese Academy of Sciences (UCAS).

**SCIENTIFIC INTERESTS:** fermion masses and flavor mixing, neutrino mass models, neutrino astrophysics and cosmological matter-antimatter asymmetry.



**Wei Wang**  
SYSU

Ph.D., Professor at the Sun Yat-Sen University, Dean of the Sino-French Institute of Nuclear Engineering and Technology.

Winner of the Fundamental Breakthrough Prize within the Daya Bay and K2K collaborations in 2016.

**SCIENTIFIC INTERESTS:** particle physics, neutrino physics, astrophysics.



JINR-ISU Baikol  
Summer School 2024

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**Tao Lin**  
IHEP

Ph.D., Associate Researcher at the Institute of High Energy Physics of the Chinese Academy of Sciences.

Winner of the JUNO Young Researcher Award in 2019.

**SCIENTIFIC INTERESTS:**  
HEP software and simulation.



**Petr Krachkov**  
NSU

Candidate of Sciences (Physics and Mathematics), Senior Researcher at the Budker Institute of Nuclear Physics (BINP), Docent at the Novosibirsk State University (NSU).

**SCIENTIFIC INTERESTS:**  
strong-field QED, multiloop calculations.



**Grigory Safronov**  
INR RAS

Candidate of Sciences (Physics and Mathematics), Senior Researcher of the Laboratory of High-Energy Neutrino Astrophysics of the Institute for Nuclear Research of the Russian Academy of Sciences.

**SCIENTIFIC INTERESTS:**  
high-energy physics and astrophysics, neutrino astrophysics, experimental methods in high-energy physics and astrophysics.

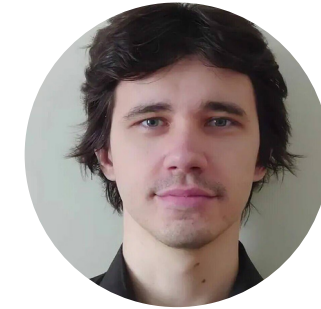


**Andrey Sheshukov**  
JINR

Candidate of Sciences (Physics and Mathematics), Senior Researcher of the Dzhelepov Laboratory of Nuclear Problems.

Winner of the Bruno Pontecorvo scholarship in 2020.

**SCIENTIFIC INTERESTS:**  
neutrino physics, core-collapse supernovae, multi-messenger astronomy.



**Ivan Kharuk**  
INR RAS

Candidate of Sciences (Physics and Mathematics), Researcher of the Institute for Nuclear Research of the Russian Academy of Sciences.

**SCIENTIFIC INTERESTS:**  
artificial intelligence, gravity and its modifications.



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**Maxim Timofeyev**  
**ISU**

Doctor of Biological Sciences, Director of the Institute of Biology at the Irkutsk State University.

**SCIENTIFIC INTERESTS:**

Global climate change and its impact on aquatic biosystems, evolution and stress adaptation, agrobiotechnology and environmental monitoring.



**Kirill Tarasov**  
**JINR**

Master's degree in Biology, Engineer of the Dzhelepov Laboratory of Nuclear Problems.

**SCIENTIFIC INTERESTS:**

bioinformatics, molecular biology, metagenomics, microbiology, extremophiles.



**Marika Taube**  
**NSUADA**

Ph.D., Associate Professor of the Higher Attestation Commission, member of the Russian Designers Association, Head Coach of the Russian National Team in "Industrial design technology" (BRICS challenge), CEO of the Industrial Design Technical Association, Professor of the Department of Industrial Design at the Kryachkov Novosibirsk State University of Architecture, Design and Arts (NSUADA).

**SCIENTIFIC INTERESTS:** industrial design.