Session Program

18–22 Oct 2026

30th International Scientific Conference of Young Scientists and Specialists (AYSS-2026)

Instruments and Methods of Experimental Physics

Wednesday 21 October

11:15

Instruments and Methods of Experimental Physics

Session | **Location:** Conference hall 2

11:15–11:30 **Simulation of Neutron Detectors with Different Gas Concentrations**

Speaker
Kseniya Antokhina

11:30–11:45 **Beam Test Results of Serial Modules of the MPD Electromagnetic Calorimeter**

Speaker
Victor Baryshnikov

11:45–12:00 **Study of the Single-Photoelectron Signal in Photomultiplier Tubes of the DANSS Detector**

Speaker
Dmitry Ilyushkin

12:00–12:15 **Trigger Counter for Coordinate Detectors**

Speaker
Ilya Osokin

12:15–12:30
Light collection in scintillation plates of Beam-Beam Counter detector for the SPD experiment

Speaker
Kseniya Tertyshnaya

12:30–12:45
Unfolding the Kinetic Energy Spectrum of Forward Neutrons Measured by the Highly Granular Time-Of-Flight Neutron Detector Prototype in the BM@N Experiment

Speaker
Aleksandr Zubankov

12:45–13:00
Methods for Processing Digital Signals from a Germanium Detector to Study Rare Processes

Speaker
Nikita Gorshkov

13:00

14:30

Instruments and Methods of Experimental Physics

Session | **Location:** Conference hall 2

14:30–14:45
Each Pixel Sees a Different Energy: Using a Graphite Monochromator as a Spatial-Energy Reference for Calibrating Pixelated Detectors

Speaker
Truong Hoai Bao Phi

14:45–15:00 **Improving Light Collection Efficiency by Filling a Scintillation Strip with an Optical Filler**

Speaker
Ozoda Inoyatillo

15:00–15:15
Influence of Optical Fiber Polishing Quality on Light Collection in the SPD Beam-Beam Counter Prototype

Speaker
Arseny Zakharov

15:15–15:30
Simulation Study of the SPD Straw Tracker Performance Limits for Ion–Ion Collisions at NICA

Speaker
Andrei Durov

15:30–15:45 **Development of the Triggerless DAQ System for the SPD Experiment at the NICA Collider**

Speaker
Aleksandr Boikov

15:45

16:00

Instruments and Methods of Experimental Physics

Session | **Location:** Conference hall 2

16:00–16:15 **Status of the Slow Control System for MPD TOF**

Speaker
Vitaliy Dronik

16:15–16:30
Remote Access and Synchronization Subsystem of Electronics Cards for the TPC/MPD Detector of the NICA Project

Speaker
Denis Potapov

16:30–16:45 **DIM Bridge for TPC Slow Control System**

Speaker
Sofiya Sokolova

16:45–17:00 **Software-Hardware Complex for Measuring Anode Wire Tension in Straw Tubes**

Speaker
Mr Nurzada Saktaganov

17:00–17:15
Experimental Data Processing and Analysis Obtained on an Electron Beam Using Thin Cylindrical Ionization Chambers as Part of a Profilometer Based on the Multi-Angle Scanning Method

Speaker
Elizaveta Bushmina

17:15