Session Program

7–14 Jun 2026

JINR Association of Young Scientists and Specialists Conference "Alushta-2026"

Section talk

Monday 8 June

10:15

Section talk: LRB, FEFU

Session

10:15–10:25 **Investigation of the Feasibility of Beam-Based PET Diagnostics in Proton FLASH Therapy**

Speaker
Darya Mekh

10:25–10:35

Study of the Influence of Magnetic Field Orientation and Magnitude on Dose Distributions in Proton Therapy Using Geant4 Simulations

Speaker
Daria Prokopenko

10:35–10:45

Effect of the DNA-dependent protein kinase inhibitor NU7026 on the radiosensitivity of B16 mouse melanoma cells

Speaker
Александра Ясинская

10:45–10:55

Анализ хромосомных аберраций в лимфоцитах периферической крови человека, индуцированных разными типами ионизирующих излучений

Speaker
Ару Нуркасова

10:55–11:05

CHROMOSOMAL INSTABILITY IN CHINESE HAMSTER CELLS MUTANT IN THE HPRT GENE AFTER IRRADIATION WITH ^{60}CO γ-RAYS AND ^{11}B IONS

Speaker
Irina Smekina

11:05–11:15

Analysis of chromosomal damage in blood lymphocytes of Macaca mulatta monkeys after γ-irradiation and local irradiation of the dorsolateral prefrontal cortex of the animal brain with carbon ions.

Speaker
Maria Isakova

11:15

13:30

Section talk: DLNP, FEFU

Session

13:30–13:40

Influence of Chemically Etched Reflective Layer Thickness of Scintillator Strips on Light Collection

Speaker
Озода Иноятилло

13:40–13:50

software development for the system micro-SPECT based on a coding aperture and a Timepix semiconductor detector

Speaker
Никита Терновой

13:50–14:00 **Micromegas detector test results at the PS/T9 beamline at CERN**

Speaker
Igor Liashko

14:00–14:10 **Study of correlations of secondary charged particles in hadron-hadron collisions**

Speaker
Mr Серафим Серюбин

14:10–14:20 **Development of control software and a micro-SPECT/CT synchronization subsystem**

Speaker
Nikita Karpov

14:20

Tuesday 9 June

10:15

Section talk: MLIT

Session

10:15–10:25 **SPD Computing Infrastructure and Data Production**

Speaker
Alexey Konak

10:25–10:35

Prototyping the SPD Online Filter as a Private Cloud Infrastructure: Towards a Dynamical System Formulation

Speaker
Nikita Greben

10:35–10:45 **Data Flow and Data Control in the SPD Online Filter Middleware**

Speaker
Polina Korshunova

10:45–10:55

From a Static Pipeline to a Self-Managing One: A Workflow Management System for the SPD Online Filter

Speaker
Леонид Романычев

10:55–11:05 **SPD Production control panel**

Speaker
Nikita Monakov

11:05–11:15 **Gravitino pair production at the LHC**

Speaker
Sofia Frank-Kamenetskaya

11:15–11:25 **Development of additive technologies and 3D modeling at MLIT JINR**

Speaker
Andrey Evlanov

11:25

13:00

Section talk: BLTP & Offices and Departments

Session

13:00–13:10 **Absolute Mass Probes in the 3+2 Sterile Neutrino Scenario**

Speaker
Rajeev N

13:10–13:20

Развитие цифровой системы авансовых отчетов в ОИЯИ: от электронной очереди к комплексной среде их формирования и предварительной проверки

13:20

Speaker
Lubov Shiryaeva

Wednesday 10 June

10:15

Section talk: FLNP

Session

10:15–10:25

Neutron diffraction study of the effect of melt cooling rate on the initial phase composition of the Fe75Ga12.5Ge12.5 alloy and its evolution during continuous heating

Speaker
Ms Anna Zakharova

10:25–10:35

A beryllium reflector: the reasons for such a significant gain in the thermal neutron flux from the surface of a water moderator.

Speaker
Maxim Podlesnyy

10:35–10:45

An investigation into the use of a beryllium neutron reflector encircling compact fast research reactors

Speaker
Dr Ахмед Хассан

10:45–10:55

Transitions between energy levels during the storage of ultracold neutrons in a gravitational-magnetic trap.

Speaker
Valeria Vasileva

10:55–11:05

Electrical impedance analysis of a ZrO2-based nanopowder system under ionization conditions

Speaker
Антони Карлос Перес Морено

11:05

Thursday 11 June

10:30

Section talk: VBLHEP

Session

10:30–10:40 **Time-of-Flight Corrections for the TOF-400 Detector in the BM@N Experiment in Run-9**

Speaker
Екатерина Хабарова

10:40–10:50 **Automated Calibration System for PXIe Modules**

Speaker
Николай Галкин

10:50–11:00
Automated detection of anomalies in the magnetic measurement system during series production testing of superconducting magnets.

Speaker
Валерий Фердерер

11:00–11:10 **Analysis of hypertriton lifetime in the BM@N experiment at NICA**

Speaker
Елизавета Константинова

11:10–11:20 **Project FCalPulse. Simulation of the facility in GEANT and data set on the test beam.**

Speaker
Мунира Манашова

11:20–11:30
Аппаратно-программный комплекс для управления и синхронизации оборудования установки SPI

Speaker
Никита Дунин

11:30

11:50

Section talk: VBLHEP

Session

11:50–12:00 **Performance results of linear accelerators in latest experiments on Nuclotron-NICA**

Speaker
Andrei Martynov

12:00–12:10 **The template method of extraction of the angular coefficicents.**

Speaker
Vladislav Shalaev

12:10–12:20
Operation of the RF systems of the NICA accelerator complex during transfers in to the collider.

Speaker
Alexander Shilin

12:20–12:30 **Studying the decay of kmu4 in the NA62 experiment**

Speaker
Диас Керейбай

12:30–12:40

Remote access and synchronization subsystem of electronics cards for the TPC/MPD Detector of the NICA project

Speaker
Denis Potapov

12:40–12:50

Measures for optimizing accelerating systems to achieve ion circulation in the collider rings, Run №1, NICA complex.

Speaker
Anton Volodin

12:50–13:00

Implementation of the Booster accelerating system operation mode for ion accumulation using electron cooling and RF voltage flattening by adding the second harmonic of the revolution frequency

Speaker
Mr Андрей Троицкий

13:00

Saturday 13 June

10:00

Section talk: FLNR

Session

10:00–10:10

Bilateral scientific investigations on heavy-ion induced reactions jointly carried out between our group, FLNR with Indian research laboratories

Speaker
Dr ANIRUDDHA DEY

10:10–10:20 **Development and test of the buncher resonant unit for the DC-140 cyclotron**

Speaker
Dmitriy Belozerov

10:20–10:30 **Experimental research of the accelerating system of the new cyclotron DC-140 FLNR.**

Speaker
Лада Саковчук

10:30–10:40 **Cryogenic ion cooling gas cell: search for the optimal parameters**

Speaker
Денис Сизов

10:40–10:50 **Система LLRF с высокой степенью стабилизации ВЧ поля ускорительных установок**

Speaker
Mr Александр Выборнов

10:50–11:00 **From Production to Purification: Optimizing Pt Separation from Ir Targets**

Speaker
Gudani Taupedi

11:00