

JINR Newsletter #26, 16 July 2025

Dear colleagues and friends,

Moscow Region Governor Andrey Vorobyov met with young JINR scientists and specialists this week to discuss comfortable infrastructure in Dubna. The visit highlighted the great importance of JINR as an international project to the Russian Federation, the region, and the city.

Representatives of the Laboratory of Nuclear Problems at JINR visited the Skolkovo Institute of Science and Technology. The parties learned about each other's activities, exchanged expertise, and discussed collaborative advanced studies in biomedical technologies.

Read about an important discovery that could further the study of top quark physics made at the LHC with JINR physicists' contribution, the start of the Baikal Summer School, the results of the GRID'2025 conference, and much more in the latest issue of the JINR Newsletter.



Cooperation

DLNP JINR delegation at Skolkovo Institute of Science and Technology

During the visit aimed at discussing joint research, JINR scientists held a scientific seminar to present the Institute's studies in time-domain diffuse optics. In addition, the programme included an introduction to Skoltech's advanced research in diffuse optics, optoacoustics, and biotechnology.



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Conferences

25th Baikal Summer School on Physics of Elementary Particles and Astrophysics started

More than 90 participants gathered in Bolshiye Koty village to explore modern particle physics and astrophysics research. The programme includes lectures by leading experts, hands-on classes with real detectors, team project activities, and group discussions moderated by specialists.



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GRID'2025 conference: present and future of grid technologies discussed at MLIT at JINR

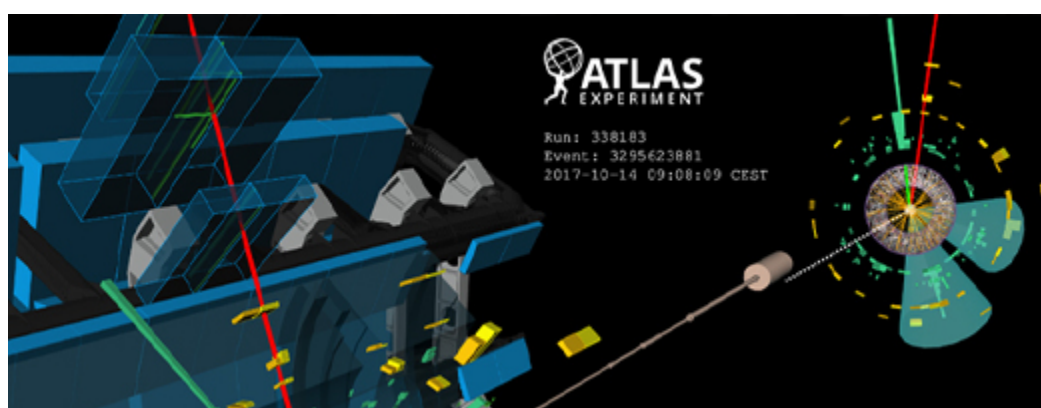
The 11th International Conference "Distributed Computing and Grid Technologies in Science and Education" took place from 7 to 11 July. The key topic was prospects for the development of high-performance and distributed computing, modern grid technologies, and big data processing.

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Research

LHC detects indication of quasi-bound state of top-quark pair

The discovery was made by scientists from the CMS and ATLAS Collaborations at the Large Hadron Collider at CERN with the participation of JINR physicists. The results could provide insights into the physics of top quarks and the nature of strong interactions between them.



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Program for operating stepper motor controller registered

Employees of the Laboratory of High Energy Physics at JINR created a program for operating a SMSD-4.2CAN stepper motor controller with a minimal set of commands. The program allows users to move the controller and has an emergency stop function.

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JINR Social

Moscow Region Governor met with young scientists at JINR

On 15 July, at the Laboratory of High Energy Physics, young JINR scientists and specialists, winners of the Social Mortgage competition and laureates of the Moscow Region Governor's Prize, met with Andrey Vorobyov. The key topic was the development of comfortable infrastructure in Dubna.



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Congratulations

Young JINR scientist awarded medal of Russian Academy of Sciences

A research intern at the Laboratory of Nuclear Problems at JINR Sergey Zavyalov received a RAS medal in nuclear physics for developing software for the Baikal-GVD Experiment. Congratulations on this achievement!

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Media

A day in JINR history

Every week, the JINR Telegram channel shares archival photos of the Institute. Take a look at the Meteor-87 hydrofoil passenger ferry against the background of the Volga River embankment, photographed 48 years ago, in July 1977.



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Galaxy: step-by-step recipe

The second part of the interview with DLNP Deputy Director Dmitry Naumov aired on the Radio of Russia. It is devoted to the global neutrino network, the mystery of the origin of ultra-high energy neutrinos, and the ways they can help study galaxies and black holes.

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Sports

JINR achievements in tennis

From 4 to 8 July, 113 players from different Russian cities competed at the Institute's Tennis Courts. JINR employees actively participated and won medals. Congratulations on the successful performances!



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JINR football team wins second prize in spartakiad

The Komus Spartakiad took place on 12 July, at the Luzhniki Stadium in Moscow. This is a large-scale summer event; this year, the participants competed in 19 sports. Congratulations to the Institute's team!

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Upcoming Events

Training

- [11–18 July, 25th Baikal International Summer School on Physics of Elementary Particles and Astrophysics, Bolshiye Koty, Irkutsk Region, Russia](#)
- [18–20 July, 29th Summer Scientific School of Young Scientists and Specialists \(Lipnya-2025\), JINR Lipnya Tourist Resort](#)
- [20–25 July, international school "Advanced methods of modern theoretical physics: integrable and stochastic systems", BLTP JINR](#)

Culture

- [15 July – 10 August, Daily from 1:00 to 7:00 PM \(except Monday\), JINR Mir Cultural Centre, Painting exhibition](#)
- [18 July, 6:00 PM, JINR Universal Public Library, JINR Cinema Club](#)

[ALL JINR EVENTS →](#)