



JINR Newsletter #20, 4 June 2025

Dear colleagues and friends,

Following an internal election process at the Russian Academy of Sciences (RAS), Vladimir Kekelidze was awarded the title of a RAS Academician, and Sergey Dmitriev became a RAS Corresponding Member. Congratulations to the JINR researchers!

This week's meeting of the JINR Science and Technology Council focused on the Institute's cutting-edge studies in radiation biology. Top of the agenda of another important event, the ongoing Baikal-GVD Collaboration Meeting, is the progress of the Baikal neutrino telescope construction. In addition, it was announced that JINR is planning to build modern shore infrastructure for researchers to comfortably work and live at the lake.

Read about the new JINR Publication Repository, update on the LUE-200 Accelerator, the start of the Nuclotron cooling, and much more in the latest issue of the JINR Newsletter!



Advisory Bodies

JINR STC: development of Institute's radiation biology programme

The JINR Science and Technology Council meeting took place on 2 June. The key topics were the Institute's programme of research in radiation biology, main international cooperation events, the construction of large scientific and social infrastructure, and the awarding of honorary titles and prizes to employees.



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Flagship Projects

Baikal-GVD development discussed at JINR

The event is taking place on 3–6 June in the International Conference Centre. More than 60 participants of the collaboration are discussing the results of the winter expedition, the progress of data analysis, the development of modelling programs, and plans for the Baikal Neutrino Observatory.

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Congratulations

Vladimir Kekelidze and Sergey Dmitriev elected Academician and Corresponding Member of Russian Academy of Sciences

The honorary titles were given as a result of voting at the General Meeting of the Academy's members. In addition, a ceremony took place to present medals named after eminent researchers: the Bogoliubov Gold Medal was awarded to JINR Scientific Leader, RAS Academician Victor Matveev.



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Research

Database of publications by JINR employees registered

On 16 May, the Joint Institute for Nuclear Research received a certificate of state registration of the JINR Publication Repository designed for record, long-term storage, and processing of information on publications by the JINR employees. The service is available via the link.

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Update on LUE-200 Accelerator Facility

A new preprint by FLNP and VBLHEP employees discusses the progress, capabilities, and opportunities of the further development of the FLNP accelerator facility, an intense pulsed source of resonant neutrons.

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Publications

2024 annual JINR report

Last year, collaborative research was carried out with scientific centres around the world on 77 projects and subprojects of the JINR Topical Plan. 70 international conferences and schools took place. More details about results of the Institute's work in 2024 are available in the annual report.



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JINR Social

Six young JINR specialists won Social Mortgage competition

The Ministry of Investments and Innovations of the Moscow Region annually holds a competition to provide the most sought-after young scientists and specialists with state support in purchase or construction of housing. The list of this year's winners from the Institute is presented on the JINR website.

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Announcements

First archival school and laboratory at JINR invites applications

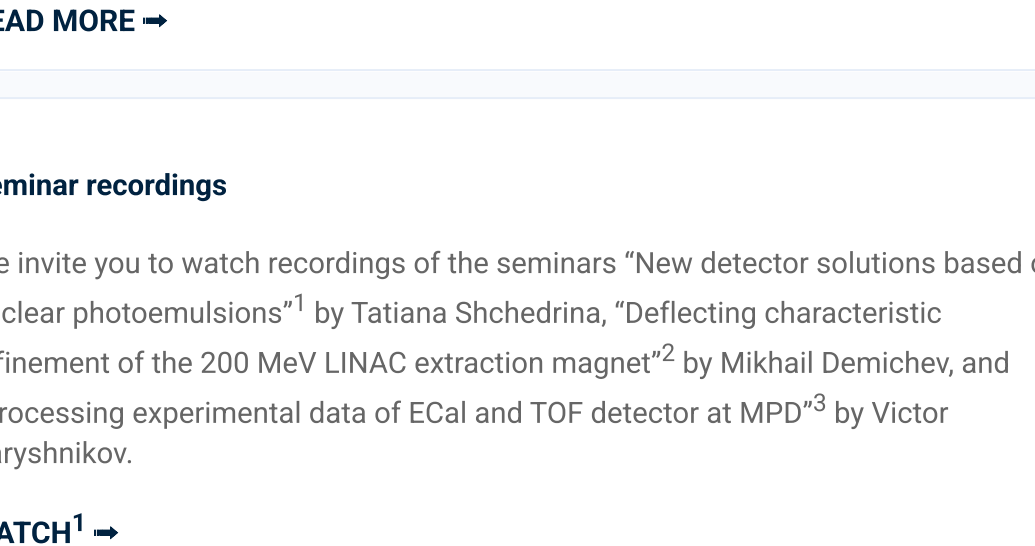
The event will take place from 6 to 12 July at the University Centre. The school invites students and postgraduates interested in researching and preserving documentary scientific heritage. Registration is available until 15 June via the link.

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Media

Nuclotron cooling started

On 3 June, the next stage of the NICA Accelerator Complex commissioning, the cooling of the Nuclotron, began. The live update of the thermometry of the facility is available via the link (only in JINR's network).



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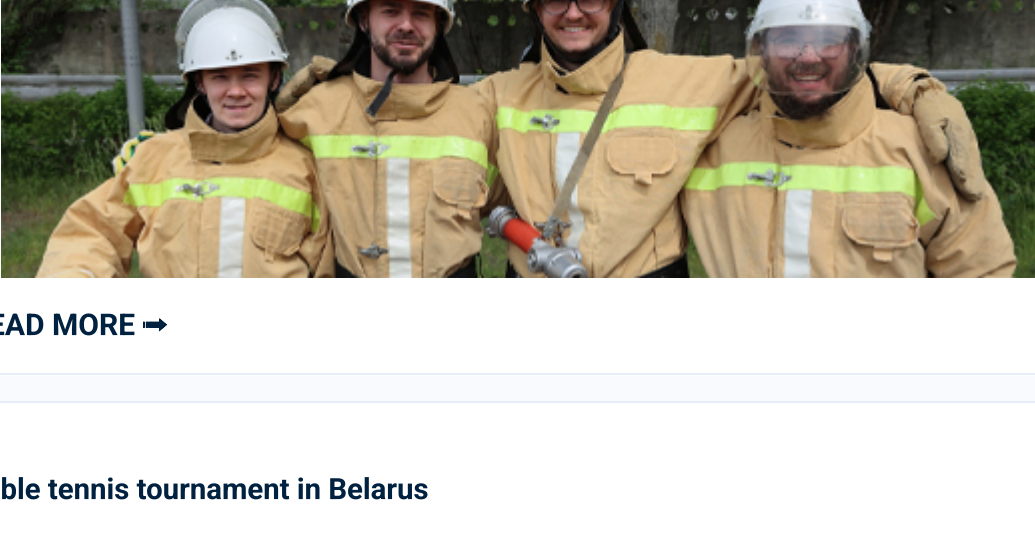
Call for joint projects with Serbia

FLNP is now inviting detailed project proposals in cooperation with the Ministry of Science, Technological Development and Innovation of the Republic of Serbia. The projects should enhance the JINR–Serbia collaboration by financing visit exchange. The deadline for submission is 27 June.

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June wallpapers for your smartphones

Our new wallpaper shows the control panel of the Synchrophasotron, a legendary facility that was the heart of the Institute for many years. And right now, scientists are working tirelessly on the NICA Project, an accelerator complex that will open up new horizons in physics.



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A day in JINR history

Every week, the JINR Telegram channel shares archival photos of the Institute. We invite you to look at a United States Atomic Energy delegation at JINR, headed by the outstanding researcher, a Nobel Prize laureate in chemistry, Professor Glenn Seaborg, photographed 62 years ago, in May 1963.

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AYSS event digest

AYSS has published the event digest for May 2025: a trip to Patriot Park took place, AYSS representatives participated in the 18th CIS Forum of Creative and Scientific Intelligentsia and attended the round table in Dubna Special Economic Zone, and the JINR Scientists' Club hosted several AYSS seminars.

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Seminar recordings

We invite you to watch recordings of the seminars "New detector solutions based on nuclear photoemulsions"¹ by Tatiana Shchedrina, "Deflecting characteristic refinement of the 200 MeV LINAC extraction magnet"² by Mikhail Demichev, and "Processing experimental data of ECal and TOF detector at MPD"³ by Victor Baryshnikov.

[WATCH¹ →](#)

[WATCH² →](#)

[WATCH³ →](#)

Weekly JINR Newspaper issued

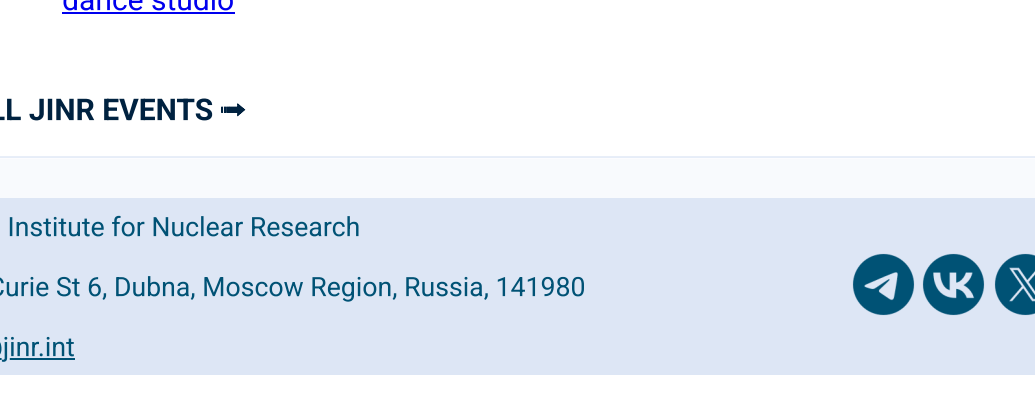
A new issue of the Weekly JINR Newspaper #20 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Sports

JINR firefighting competition

Last week, the JINR Nauka Stadium hosted a firefighting competition among JINR departments. Among the eight participating teams, the MLIT employees took the first place. The FLNR and VBLHEP teams took the second and third places respectively. Congratulations to our colleagues!



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Table tennis tournament in Belarus

The eleventh International Spartakiad for Veterans and Heads of Veteran Organizations of Physical Culture and Sport took place in Novopolotsk, Russia. Moscow Region triumphed in the team championship with a JINR employee Inna Tikhomirova winning gold medal in table tennis.

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Upcoming Events

Meetings & Conferences

- [3–6 June. Baikal Collaboration Meeting, JINR, Dubna](#)
- [5 June. "Physics at future high energy electron-positron colliders" workshop, JINR, Dubna](#)
- [8–15 June. 14th conference of young scientists and specialists \("Alushta-2025"\), Dubna Resort House, Alushta, Crimea](#)

Training

- [26 May – 23 June. Internship for CIS scientists, JINR, Dubna](#)
- [3–6 June. Scientific school for Petrozavodsk schoolchildren, JINR, Dubna](#)

Forums

- [1–5 June. 6th "Nuclear Science and Technology" International Scientific Forum, Institute of Nuclear Physics, Kazakhstan](#)

Seminars

- [5 June, 11:00 AM, DLNP. "Experimental setup for measuring polarisation correlations of entangled and decohered annihilation photons" by Alexander Baranov](#)
- [5 June, 11:30 AM, VBLHEP Dissertation Council. "Development and manufacturing of track modules based on silicon double-sided microstrip detectors" by Aleksei Sheremetev](#)
- [5 June, 3:30 PM, FLNR. "Study of the structure and lifetime of the short-lived light fragments of ternary spontaneous fission of ²⁵²Cf: ⁷H, ⁵He, ⁷He" by Yulia Parfenova](#)
- [6 June, 11:00 AM, FLNP. "Measuring mechanical properties of pulsed reactor fuel elements on a vibration diagnostics stand" by Aleksandr Verkhoglyadov](#)
- [6 June, 11:30 AM, VBLHEP. "Cross section measurements of hard exclusive n0 muoproduction at COMPASS" by Oleg Kouznetsov](#)
- [9 June, 11:00 AM, BLTP Journal Club. "Electro-weak temperatures do not make the strong force frail" by Chitta Ranjan Das](#)
- [11 June, 11:00 AM, BLTP. "Causal perturbative QFT and space-time geometry" by Jaroslav Wawrzycki](#)
- [11 June, 11:00 AM, DLNP. "Atmospheric muon and high energy neutrino fluxes calculation" by Anna Gridina \(Morozova\)](#)

Culture

- [20 May – 15 June. Daily from 1:00 to 7:00 PM \(except Monday\), JINR Mir Cultural Centre. Remembering Pushkin exhibition](#)
- [5 June, 7:00 PM, JINR Mir Cultural Centre. Bolero concert](#)
- [5 June, 7:00 PM, JINR Universal Public Library. Summer Reading List book club](#)
- [6 June, 6:00 PM, JINR Universal Public Library. English speaking club](#)
- [6 June, 6:00 PM, JINR Universal Public Library, JINR Cinema Club](#)
- [6 June, 6:00 PM, JINR Mir Cultural Centre. Pushkin poetry recitation contest](#)
- [8 June, 6:00 PM, JINR Mir Cultural Centre. Recital of Childhood dance theatre and City Dance senior group](#)
- [11 June, 6:00 PM, JINR Mir Cultural Centre. Recital of Future children's dance studio](#)

[ALL JINR EVENTS →](#)