



TOGETHER

JINR Newsletter #34, 10 September 2025

Dear colleagues and friends,

The Laboratory of Neutron Physics at JINR invites applications for experiments to be conducted at the IBR-2 Research Reactor in the first half of 2026. Scientists will have access to 13 advanced instruments.

The Institute's representatives took part in the Science Festival in Belarus and the NAUKA 0+ festival held as part of it. Visitors learned about the JINR studies and infrastructure at the Joint Institute's booth and enjoyed engaging lectures and master classes by the researchers at NAUKA 0+.

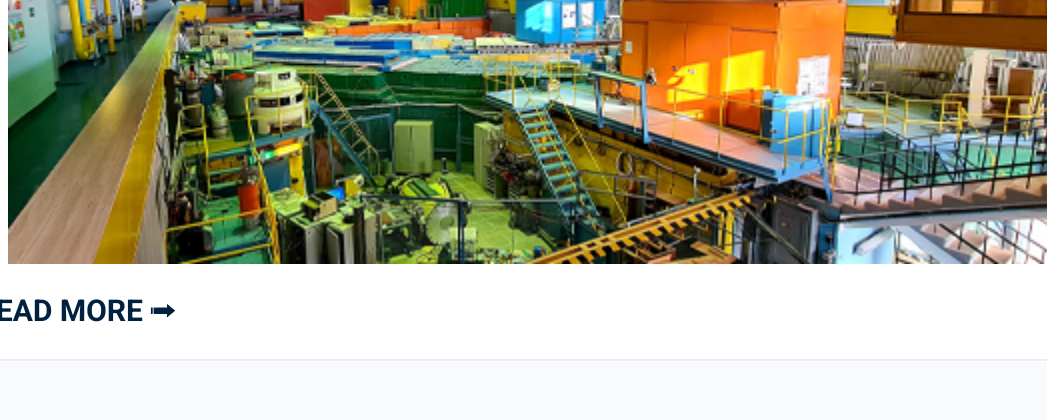
Read about the first Molecular and Materials Modelling online school, 120 Years of the Special Theory of Relativity exhibition in S&T Library, language courses for JINR employees, and much more in the latest issue of the JINR Newsletter.



Flagship Projects

Research at IBR-2 Reactor – call for proposals

The Laboratory of Neutron Physics at JINR invites applications for research to be conducted in the first half of 2026, with 13 instruments available for users. Proposals can be submitted [via the link](#) until 14 October.



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Education

Online modelling school held at Laboratory of Theoretical Physics at JINR

BLTP hosted the first Molecular and Materials Modelling online school. The event brought together 28 senior students, postgraduates, professors, and scientific supervisors from universities in Iraq, Italy, Russia, South Africa, and Vietnam.

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JINR Social

NAUKA 0+ in Minsk

JINR employees gave lectures and conducted master classes at the Science Festival in Minsk, Belarus, and the NAUKA 0+ festival held as part of it. About 3000 guests visited the Institute's booth to watch and take part in physics experiments.



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Publications

JINR News Bulletin #3 2025 issued

The publication provides information on the latest scientific results obtained at the JINR laboratories, updates on large-scale experiments, construction of new facilities, discoveries, inventions, etc. JINR's social life is presented extensively.

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Books

120 Years of Special Theory of Relativity exhibition in S&T Library

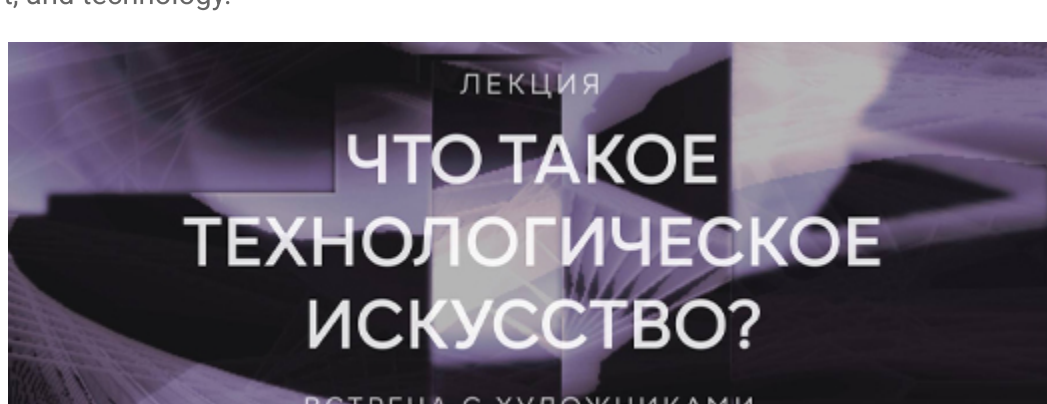
Until 26 September, the JINR Science and Technology Library is hosting the 120 Years of the Special Theory of Relativity exhibition. Visitors can find books about the history of the theory, Albert Einstein's works, and publications by JINR scientists on the application of special relativity in various fields of physics.

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Announcements

Lecture about Art & Technology

On 11 September, at 6:00 PM, the JINR Scientists' Club invites everyone interested to a lecture entitled "What is Art & Technology?". MISIS University students will present their art projects and discuss their experience working at the intersection of science, art, and technology.



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Art & Technology exhibition to take place in Dubna

On 13–14 September, from 11:00 AM to 7:00 PM, the JINR Mir Cultural Centre will host the Stream exhibition, showcasing art projects by master's students from the MISIS University. The opening ceremony will take place on 12 September, at 6:00 PM.

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Media

AYSS-2025: registration closes soon

JINR will host the conference for young scientists and specialists on 27–31 October. Registration and abstract submission deadline is 12 September, at 11:59 PM. If you have already registered, please ensure that you have attached the abstract of your talk.



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JINR researcher at Institute of Nuclear Physics of Uzbekistan

An FLNP JINR leading researcher Kholmizro Kholmurodov visited the Institute of Nuclear Physics of the Academy of Sciences of Uzbekistan. The parties discussed the expansion of scientific and technical cooperation, particularly the prospects of conducting advanced joint studies.

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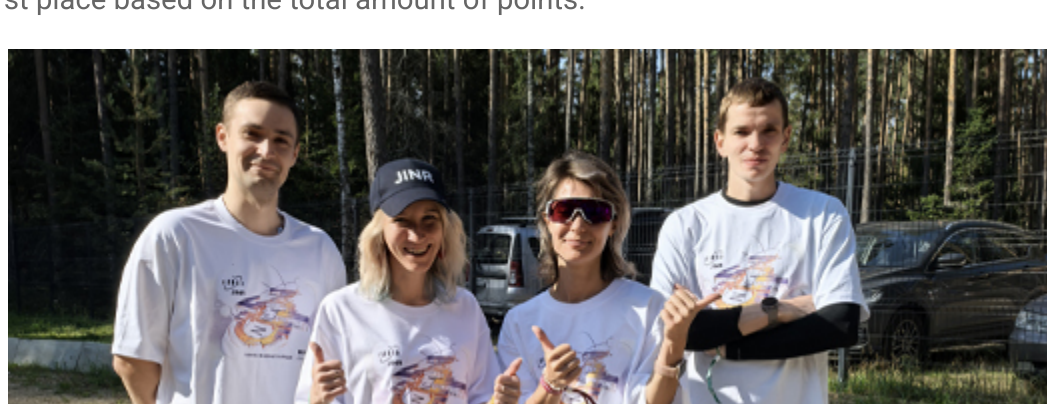
Students of MSU branch in Dubna visited JINR

Academic year has started at Dubna's branch of Moscow State University. The JINR University Centre organized a series of lectures and tours for students to get acquainted with the Institute: they have already got to see the NICA Collider, the IBR-2 Reactor, the Govorun Supercomputer, and much more.

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JINR team won Nuclear Cup

Volga Recreation Centre recently hosted the Nuclear Festival, which brought together about 1000 guests from research institutes and universities in Russia. Eight teams competed in art, science, and sports for the cup. The Joint Institute employees took first place based on the total amount of points.



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60 Years of MLIT

MLIT continues the jubilee series of archival photos, interviews, and stories about people and milestones that shaped the laboratory through the decades. This week, you are welcome to read about the youth of Mikhail Meshcheryakov. Stay tuned via the #JINR60 hashtag in the MLIT Telegram channel.

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JINR giveaway results

Almost 60 people sent in answers to the puzzle posted in the JINR Telegram channel last week. The three fastest participants will receive a copy of the "Particle physics for curious ones" book with an autograph of BLTP JINR Director Dmitry Kazakov.

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Language courses for JINR employees

The JINR University Centre announced enrolment for the Russian Speaking Club and English language course. In addition, an online Chinese language course will soon be introduced. Please confirm your participation no later than 12 September.



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Seminar recordings

We invite you to watch recordings of the seminars "Conceptual design of the magnet system of an 11 MeV isochronous superconducting cyclotron for radioisotope production and its upgrade"¹ by Zheng Panpan and "Research and design of the RF cavity for an 11 MeV superconducting cyclotron"² by Wu Yue.

[WATCH¹ →](#)

[WATCH² →](#)

Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper, #33, has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Upcoming Events

Governing Bodies

- **15–16 September.** [138th session of JINR Scientific Council, JINR, Dubna](#)

Conferences

- **15–17 September.** ["Application of methods of natural sciences in archaeological research" international scientific conference, Al-Farabi Kazakh National University, Almaty, Kazakhstan](#)
- **15–20 September.** [26th International Baldin Seminar on High Energy Physics Problems entitled "Relativistic nuclear physics and quantum chromodynamics", JINR, Dubna](#)

Seminars

- **11 September.** 9:30 AM. VBL/HEP. "The development of systems for controlling and maintaining protons and deuteron polarisation in the New Nuclotron project" by Evgeny Tayolakov
- **12 September.** 11:00 AM. FLNP. "On methods of eliminating positive feedback in periodic pulsed reactors" by Aleksandr Verkhoglyadov, Valentina Verkhoglyadova
- **12 September.** 3:00 PM. MLIT. Dissertation Council. "Numerical study of superconducting processes and physical characteristics in multiparameter models of Josephson structures" by Maxim Bashashin. "Methods and software tools for creating distributed heterogeneous computing environments based on the DIRAC Platform" by Igor Pelevanyuk
- **17 September.** 2:00 PM. VBL/HEP. Seminar dedicated to anniversary of Mikhail Meshcheryakov

Culture

- **13 August – 10 September.** Daily from 1:00 to 7:00 PM (except Monday). JINR Mir Cultural Centre. Photo exhibition dedicated to centenary of birth of Yuri Shcherbakov
- **12–14 September.** Daily from 1:00 to 7:00 PM (except Monday). JINR Mir Cultural Centre. Art & Technology exhibition
- **17 September – 12 October.** Daily from 1:00 to 7:00 PM (except Monday). JINR Mir Cultural Centre. Painting exhibition
- **11 September.** 6:00 PM. JINR Universal Public Library. English speaking club
- **11 September.** 6:00 PM. JINR Scientists' Club. Lecture on Art & Technology
- **11 September.** 6:30 PM. JINR Universal Public Library. Lecture on philosophy and science
- **11 September.** 7:00 PM. JINR Universal Public Library. Summer Reading List book club
- **12 September.** 6:00 PM. JINR Universal Public Library. JINR Cinema Club
- **12 September.** 6:00 PM. JINR Universal Public Library. Travel storytelling day
- **13 September.** 2:00 PM. JINR Universal Public Library. Music and dancing evening
- **13 September.** 6:00 PM. JINR Universal Public Library. "Idea of experiment as basis of New Time" lecture
- **13 September.** 2:00 PM. Volga Tourist Resort. Picnic
- **16 September.** 7:00 PM. JINR Scientists' Club. "Go ahead, time!" concert

[ALL JINR EVENTS →](#)