

JINR Newsletter #13, 8 April 2026

Dear colleagues and friends,

A delegation of the Joint Institute, led by JINR Director Grigory Trubnikov, visited the MEPhI University. True to the Institute's nature as an open organization that values everyone it has the opportunity to work with, JINR representatives focused on discussing cooperation development prospects.

Run 1 of the NICA Accelerator Complex is nearing completion at the Laboratory of High Energy Physics at JINR. Key results include main system commissioning, the implementation of a fundamental research programme, and a wide range of applied studies.

Please enjoy a new issue of *Natural Science Review* comprising articles on high-energy, particle, condensed matter, mathematical, accelerator, and nuclear physics, as well as a study in environmental sciences. More details are available in the JINR Newsletter.

JINR Press Office



Cooperation

JINR representatives paid working visit to MEPhI University

Led by JINR Director Grigory Trubnikov, the delegation toured the laboratories and facilities of one of Russia's leading technical universities. In addition, the parties discussed cooperation development prospects.

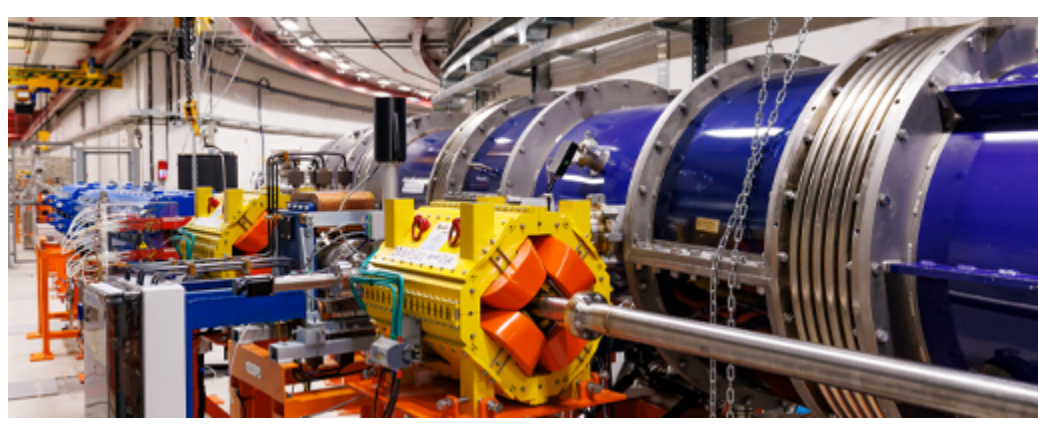


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Research

Results of Run 1 at NICA Accelerator Complex

Between March 2025 and April 2026, specialists of the Laboratory of High Energy Physics at JINR commissioned key systems, implemented a fundamental research programme, and conducted a wide range of applied studies in radiation biology, medicine, and materials science. Run 1 is now nearing completion.



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JINR proposed new frame design for superconducting solenoids

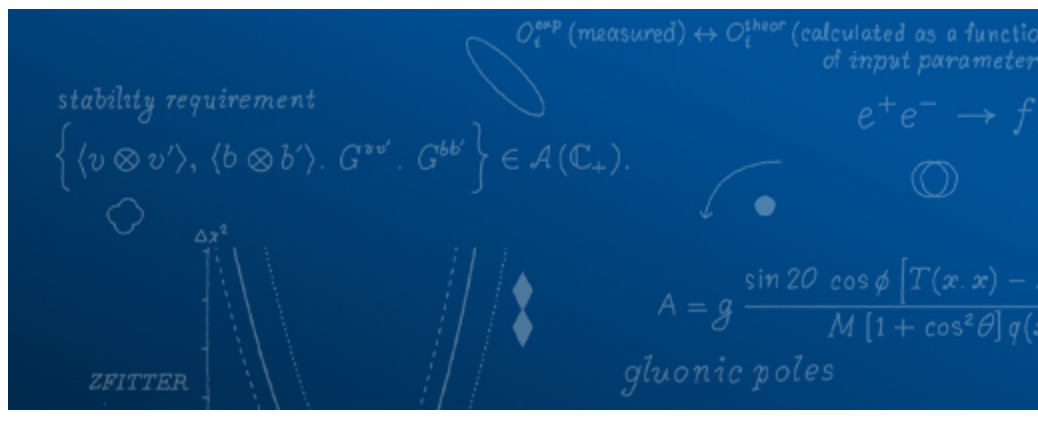
The VBLHEP researchers' invention will greatly simplify the technology of assembling large magnets while maintaining their high performance. Such solenoids are used in charged particle accelerators, inductive energy storage devices, and other accelerating equipment.

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Publications

New issue of *Natural Science Review*

The sixth issue of the international scientific journal published by JINR features articles on high-energy, particle, condensed matter, mathematical, accelerator, and nuclear physics, as well as a study in environmental sciences.



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JINR Youth

2026 AYSS JINR Council election results

The Council of the Association of Young Scientists and Specialists of JINR was elected during an AYSS General Meeting. An LRB junior researcher Regina Kozhina was appointed Council Chair. Congratulations!

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Anniversaries

Professor Aleksandr Malakhov's 80th anniversary celebrated at JINR

The Laboratory of High Energy Physics hosted a seminar in honour of the 80th Jubilee of the Head of the VBLHEP Scientific and Experimental Department of Heavy Ion Physics. The researcher's colleagues shared heartfelt congratulations and gave scientific talks.



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JINR Social

The First Star exhibition at Mir Cultural Centre chronicles JINR creation

Until 1 June, everyone interested is welcome to learn about JINR's establishment and explore never-before-exhibited historical documents. The display is available at the JINR Mir Cultural Centre from Tuesday to Sunday, from 1:00 PM to 7:00 PM. [Guided tours](#) are also provided.

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Announcements

Spring IT School to start at JINR

On 9–10 April, at the Laboratory of Information Technologies, students from Russian universities will present the results of research conducted as part of JINR projects. The presentations will be available [live](#).

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Media

Baikal-GVD on Russia-1 TV channel

The Vesti programme featured a segment discussing the 2026 expedition to build the neutrino telescope in Lake Baikal.



[WATCH →](#)

Applications invited for Petersburg Quantum Weeks

Organized with JINR's participation, PQW is an interdisciplinary event bringing together physicists working across theoretical, experimental, and applied quantum theory. [Registration](#) is available until 19 April.

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AYSS event digest

The Association of Young Scientists and Specialists of JINR has published the event digest for March with details about the AYSS-2026 registration, the celebration of the Institute's 70th anniversary, the first workshop of the Vietnamese Young Scientists and Specialists club, and much more.



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JINR: Science, People, Future contest voting

You are welcome to vote for your favorite entry in the People category in the JINR Telegram channel and VK page. The top 3 works will be determined by the total votes from both platforms.

[VOTE in Telegram →](#)

[VOTE in VK →](#)

Seminar recordings

We invite you to watch recordings of Aleksandr Malakhov anniversary seminar¹, a VBLHEP Joint Laboratory Seminar², and the seminar "Generator of directed monochromatic positron beams for positron spectroscopy"³ by Alexey Sidorin.

[WATCH¹ →](#)

[WATCH² →](#)

[WATCH³ →](#)

Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper, #14, has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Sports

Tennis competition dedicated to 70th JINR anniversary

The doubles tennis tournament took place at the JINR Sports Club on 4 April. Congratulations to all athletes!

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Upcoming Events

Education

- [9–10 April. Spring IT School. MLIT JINR](#)
- [10–14 April. Spring school on physics of quark-gluon matter. UG JINR](#)
- [14–16 April. Scientific school through eyes of young people from JINR, JINR, Dubna](#)

Seminars

- [9 April. 11:00 AM. VBLHEP. "Applications of the tagged neutron method for remote substance analysis in production" by Yuri Rogov. "Theoretical and experimental investigation on the optimisation of accelerator driven subcritical reactors" by Tran Ngoc Toan](#)
- [10 April. 11:00 AM. BLTP. "Self-consistent microscopic description of dipole electric and magnetic excitations of the nucleus" by Petr Vishnevsky](#)
- [10 April. 11:30 AM. VBLHEP. "Investigation of hadron elliptic flow in heavy-ion collisions at NICA energy range" by Petr Parfenov](#)
- [10 April. 3:00 PM. LRB. "Radiobiological research data storing and processing programming tools" by Aleksandr Kokorev, Oksana Streltsova, Dmitry Bellakov, Dmitry Podgajny](#)
- [14 April. 3:00 PM. DLNP. "TAIGA Project" by Artur Borodin](#)
- [15 April. 11:00 AM. DLNP. "Cosmological Axion Sazov Helioscope \(CASH\): searching for dark matter axions, dark photons, and high-frequency gravitational waves below quantum limit" by Petr Saturnin](#)

Culture

- [9 March – 11 April. JINR Universal Public Library. Kaleidoscope of My Fantasies exhibition](#)
- [26 March – 1 June. JINR Mir Cultural Centre. The First Star: the Birth of a New Interaction exhibition](#)
- [9 April. 6:30 PM. JINR Universal Public Library. Scrapbooking club's meeting](#)
- [9 April. 7:00 PM. JINR Universal Public Library. Summer Reading List book club](#)
- [10 April. 6:00 PM. JINR Universal Public Library. JINR Cinema Club](#)
- [10 April. 7:00 PM. JINR Scientists' Club. Classical music concert](#)
- [11 April. 5:00 PM. JINR Universal Public Library. Lecture on modern Chinese literature](#)
- [15 April. 7:00 PM. JINR Mir Cultural Centre. Classical music concert](#)
- [15 April. 6:00 PM. JINR Universal Public Library. English speaking club](#)

[ALL JINR EVENTS →](#)