



JINR Newsletter #17, 14 May 2025

Dear colleagues and friends,

Last week, the Joint Institute signed a Memorandum of Understanding with the Ministry of Science, Technology and Innovation of the Federative Republic of Brazil. The agreement provides for collaborative fundamental and applied research in a variety of cutting-edge fields of study.

In Armenia, scientists are discussing the Spin Physics Detector at the NICA Complex as part of the collaboration's ninth meeting. During the week-long event, the participants will review the progress of the facility's construction and talk about plans for its further development.

Read about the second issue of the *Natural Science Review* periodical published by JINR, Director's congratulations on Victory Day in the Great Patriotic War, and much more in the new issue of the JINR Newsletter.



Cooperation

JINR and Ministry of Science of Brazil signed cooperation agreement

On 8 May 2025, the Joint Institute for Nuclear Research and the Ministry of Science, Technology and Innovation of the Federative Republic of Brazil (MCTI) signed a Memorandum of Understanding aimed at strengthening cooperation between the parties in fundamental and applied research.



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JINR–Brazil: agreement with Federal University of Rio Grande do Sul signed

The Memorandum of Understanding was signed on 12 May in Porto Alegre, Brazil, providing for collaborative research. This is another significant step in the development of scientific diplomacy between JINR and the Federative Republic of Brazil.

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Flagship Projects

Discussing SPD Experiment in Yerevan

The 9th SPD Collaboration Meeting is taking place from 12 to 16 May at the Alkhanyan National Science Laboratory, Armenia. Scientists are discussing the progress of work on creating the experimental facility and exchanging expertise and ideas for developing the collaboration.



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Conferences

Implementation of JINR Collective Agreement discussed at Trade Union meeting

On 6 May, the International Conference Centre hosted a meeting for the JINR Trade Union, focusing on the implementation of the 2024 portion of the 2023–2026 JINR Collective Agreement.



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Publications

New issue of *Natural Science Review*

The second issue of the international scientific journal published by JINR features two reviews and two research articles covering computer science, biology, condensed matter physics, and mathematical physics.



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JINR Social

Congratulations on 80th anniversary of Great Victory

The JINR Directorate warmly congratulates the veterans, Institute staff, citizens of countries joined by the memory of the Great Patriotic War on 9 May – Victory Day.

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(Un)published: Dubna artefacts of Great Victory

JINR's Mir Cultural Centre hosted the opening ceremony of the (Un)published exhibition dedicated to the 80th anniversary of the victory achieved in the Great Patriotic War. The exhibition is open until 18 May from 1.00 to 7.00 PM.



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We Fought for Our Motherland. Commemorative evening at Scientists' Club

The JINR Museum of History of Science and Technology and Kvadrat theatrical troupe held a history and literature evening dedicated to the anniversary of the victory in the Great Patriotic War at the Scientists' Club.

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Announcements

Registration for Element 105 Physics Workshop at Summer School opens

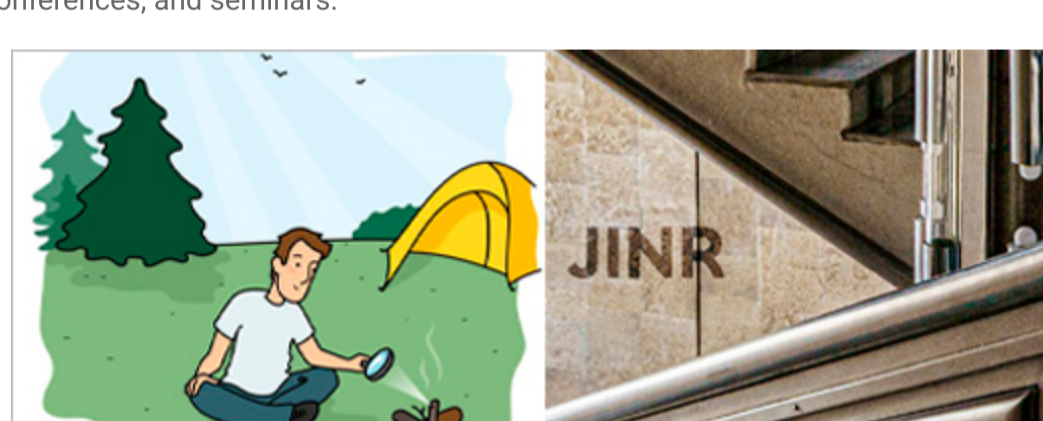
Students aged 18–25 specialising in physics, biology, IT, ecology, chemistry or engineering, as well as social studies and humanities, are invited. The event will take place from 2 to 12 July 2025 at the JINR Volga Recreation Centre in the Tver Region, Russia.

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Media

May wallpapers for your smartphones

Our new May mobile and desktop wallpaper features a part of the interior of the International Conference Centre built in Dubna in 1983. The ICC is a vivid example of Soviet modernist architecture. Large scientific events are held here: meetings, conferences, and seminars.



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Seminar recording

We invite you to watch a recording of the seminar "Resonators of accelerating systems of isochronous cyclotrons for proton therapy" by Semyon Gursky.

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Sports

JINR achievements in hockey

For the first time, an Institute's team took part in a large-scale championship, United Hockey League Cup. The team came fourth. Congratulations to the athletes!



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Tournaments celebrating victory in Great Patriotic War

The JINR Nauka Stadium hosted tournaments in table tennis and volleyball¹, chess and gorodki². The Institute's team took the gold medal in the volleyball tournament. Congratulations on the successful performance!

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Upcoming Events

Collaboration Meetings

- **12 – 16 May, the 9th SPD Collaboration Meeting, Alkhanyan National Science Laboratory, Yerevan**
- **13 – 15 May, the 14th Collaboration Meeting of the BM@N Experiment at the NICA Facility, JINR, Dubna**

Workshops

- **12 – 16 May, International Workshop "Infinite and Finite Nuclear Matter (INFNUM-2025)", JINR, Dubna**
- **19 – 20 May, Workshop on Quantum and Low-dimensional Magnetism, BLTP, JINR, Dubna**

Education

- **19 – 23 May, JINR Training Course "JINR Expertise for Member States and Partner Countries" (JEMS-27), JINR, Dubna**

Technical Fairs

- **20 – 23 May, the 67th International Fair of Technics and Technical Achievements, Belgrade, Serbia**

Seminars

- **15 May, 10:00 AM, VBLHEP, Scientific and Methodological Seminar**
- **15 May, 11:00 AM, VBLHEP, "Quantum magnetometry based on single-crystal diamond plates with NV-centres. Opportunities and prospects" by Marat Esseyev**
- **15 May, 11:00 AM, CLNP, "Specifics of the creation of a highly efficient veto system in experiments to search for lepton number violation" by Aleksandr Simonenko**
- **15 May, 3:00 PM, FJNP, Seminar dedicated to the memory of A. N. Nikitin, pioneer of neutron studies of geological materials in Russia**
- **15 May, 3:00 PM, BLTP, "Lagrangian dynamics and quantisation of higher spin fields" by Alexander Reshetnyak**
- **19 May, 3:30 PM, BLTP, "Twisting of neutral atoms by laser fields" by Vladimir Melezhih**
- **20 May, 3:00 PM, VBLHEP, "Study of data popularity analysis approaches in High Energy Physics on the example of the ATLAS Experiment at LHC" by Mikhail Shubin**

Culture

- **30 April – 18 May, Daily from 1.00 to 7.00 PM (except Monday), JINR Mir Cultural Centre, (Un)published exhibition**
- **15 May, 6:30 PM, JINR Universal Public Library, Performance dedicated to Victory Day**
- **15 May, 7:00 PM, JINR Universal Public Library, Hairpin book club**
- **16 May, 6:00 PM, JINR Universal Public Library, English speaking club**
- **16 May, 6:30 PM, JINR Universal Public Library, JINR Cinema Club**
- **16 May, 6:00 PM, JINR Universal Public Library, Scrapbooking club's meeting**
- **17 May, 3:00 PM, JINR Universal Public Library, Poetry, song, and dance concert at JINR Library**
- **17 May, 5:00 PM, JINR Mir Cultural Centre, Piano Four Hands concert**

For Kids

- **16 May, 5:00 PM, JINR Universal Public Library, Growing up from "Let's READers"**
- **16 May, 6:30 PM, JINR Universal Public Library, Meeting of book and discussing club for teenagers**
- **17 May, 5:00 PM, JINR Universal Public Library, "Let's READers"**
- **17 May, 6:00 PM, JINR Universal Public Library, Meeting of book club for teenagers**

Sports

- **17 May, 1:00 PM, JINR Archimedes Swimming Pool, JINR swimming championship**

[ALL JINR EVENTS →](#)