JINR Newsletter #45, 20 November 2026

Dear colleagues and friends,

Cooperation is so important for the development of science, education, and technology! Two JINR Member States were top of the agenda last week. Zhanna Andreasyan, Minister of Education, Science, Culture and Sports of Armenia, toured the Institute's facilities and met with the JINR Directorate. Special attention was paid to academic exchange programmes, internships for teachers, and personnel training for Armenian specialists.

Until 20 November, the 12th SPD Collaboration Meeting is taking place at the Laboratory of High Energy Physics at JINR. The international team is discussing the progress of the future Spin Physics Detector at the NICA Accelerator Complex with a focus on the physics programme and IT infrastructure.

In the latest issue of the JINR Newsletter you will find articles on the results of JENEI-30 training programme, a new cooperation agreement in personnel training, a study in radiation neurobiology, and much more.

JINR Press Office



Cooperation

Minister of Education, Science, Culture and Sports of Republic of Armenia visited JINR

At the Institute, an Armenian delegation headed by Zhanna Andreasyan toured the research infrastructure and held talks with the JINR leadership regarding the expansion of long-term collaboration. Topping the agenda were academic exchange, internships for teachers, and human resource development.



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JINR and Dubna University signed agreement with Moscow Power Engineering Institute

On 15 November, a delegation from the Moscow Power Engineering Institute visited JINR. During a meeting at the directorate, a trilateral agreement was concluded between JINR, MPEI, and Dubna State University. Among the promising cooperation areas are personnel training and electrical engineering for the Institute's facilities.

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Prospects of cooperation with Kazakhstan and academic exchange discussed at JINR

Member of the Public Council of the Agency of the Republic of Kazakhstan for Atomic Energy, Dastan Eleukenov, visited JINR to learn about the Institute's activities and jointly outline cooperation plans. Special attention was paid to the opportunities for young Kazakhstani scientists to participate in JINR's activities.

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Conferences

12th SPD Collaboration Meeting taking place in Dubna

At the Laboratory of High Energy Physics at JINR, the international collaboration is discussing the future Spin Physics Detector at the NICA Accelerator Complex: updates on the facility, the physics programme, and the IT infrastructure. The event will run until 20 November.



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Education

Results of anniversary JENEI-30 international training programme discussed at JINR

The "JINR Expertise for Member States and Partner Countries" programme finished in Dubna. At the final round table, participants shared their impressions of the Joint Institute and talked about cooperation development. JENEI-30 gathered representatives of four countries' scientific and educational organizations.

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Announcements

Upcoming tours of JINR Gallery

Guided and self-guided tours of the "Alexander Pankin. Number as Event" exhibition are available at the International Conference Centre. More events are coming soon, including film screenings, lectures, and new collaborations. Follow announcements in the Events section on the gallery website.



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Seminar dedicated to International Conference on High Energy Physics

The seminar will take place on Friday, 27 November, at 11:00, in the Conference Hall of the Bogoliubov Laboratory of Theoretical Physics at JINR. The talks will be dedicated to the theoretical and experimental research results presented at the ICHEP 2026 conference in Brazil.

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IBR-2 schedule updated

The schedule of the IBR-2 Research Reactor for the first half of 2027 is now available on the website of the Laboratory of Neutron Physics at JINR. The reactor power for physics experiments will be 1.5 MW. CH-201 and CM-202 Moderators will operate in a cryogenic mode.

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Lecture on JINR wall newspapers

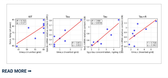
On 20 November 2026, at 18:30, a lecture titled "Impulse and other JINR wall newspapers in the history of the Soviet wall press" will take place at Blokhintsev Universal Public Library. The speaker is Head of the JINR Historical Archive Elena Mohylo.

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Publications

Study conducted with participation of DLNP JINR researchers

An article was published in the Molecular Neurobiology journal, authored by the Laboratory of Nuclear Problems at JINR and the Institute of General Pathology and Pathophysiology. The scientists found out that carbon-12 and gamma-ray combined irradiation ameliorates behavioural and biochemical alterations in homozygous Tau P301S transgenic mice.



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2025 bibliographic index of JINR scientific papers

The JINR Science and Technology Library has issued the 2025 Bibliographic Index of Papers Published by JINR Staff Members. Most descriptions are supplemented by links to the full texts. In addition, there are statistical tables on authors, topics, and types of publications.

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Media

A day in JINR history

JINR shared an archival photo. Take a look at Professor Rudolf Mössbauer (Germany) visiting the Laboratory of Neutron Physics at JINR in November 1975.



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Baikal-HUNT modules being tested

The Science & Life popular science journal published an article about the Russian-Chinese Baikal-HUNT Neutrino Telescope. Two deep-sea optical modules for the project are undergoing tests at the MEPhI University, Russia.

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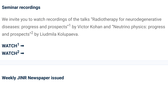
JINR at Dubna University open day

The University Centre, together with researchers from the JINR laboratories, met with schoolchildren and students to present the ongoing research. The guests learned about the work of JINR specialists, the current tasks, and opportunities for young scientists to join JINR's studies.

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AYSS at congress in Kazakhstan

On 12–13 November, the 3rd International Congress of Young Scientists took place in Almaty. Member of the Council of the JINR Association of Young Scientists and Specialists, VBLHEP laboratory assistant Elizaveta Konstantinova presented her research results and the Association's activities.



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JINR delegation in Yerevan

The delegation is visiting Armenia with the aim of forming a joint research group and strengthening cooperation between JINR and the CANDLE Synchrotron Research Institute. Researchers from the Laboratory of Nuclear Problems presented a talk about applied studies at the LINAC Linear Accelerator.

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Seminar recordings

We invite you to watch recordings of the talks "Radiotherapy for neurodegenerative diseases: progress and prospects" by Victor Kohan and "Neutrino physics: progress and prospects" by Liudmila Kolupaeva.

WATCH ➡
WATCH ➡

Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper, #47, has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Sports

Joint Institute at swimming competition

From 11 to 13 November, Kazan hosted the 53rd Russian Masters Swimming Cup. Swimmers from the Element 105 club participated in the event and won a number of medals. Congratulations on the successful performance!



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JINR achievements in table tennis

JINR Sports Complex instructor Irina Tikhomirova won gold, silver, and bronze at the Russian Veterans Table Tennis Championship that gathered over 700 athletes from all over the country. Congratulations!

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Upcoming Events

Conferences

- **17–20 November**, 12th SPD Collaboration Meeting, JINR, Dubna

Conferences

- **19–20 November**, CMS Mx 2026 workshop, JINR, Dubna
- **20 November**, Molecular and Materials Modelling school, BLTP, JINR, Dubna
- **23–26 November**, Conference of young FLNP scientists and specialists, FLNP, JINR, Dubna
- **23–26 November**, 6th all-Russian conference "Tasks and methods of neutron research of condensed matter", Dubna State University

Seminars

- **20 November**, 11:30, VBLHEP, "Supernova" by Anton Baushev
- **23 November**, 11:00, BLTP, Journal Club, "Dark matter absent along a chain of galaxies" by Chitta Ranjan Das
- **24 November**, 15:00, DLNP, Joint Laboratory Seminar
- **25 November**, 11:00, VBLHEP, "Adiabatic and transparent crossing of induced spin resonance at the Nuclotron for a deuteron beam with synchrotron energy modulation" by Anatoly Kondratenko
- **25 November**, 11:00, BLTP, "BSM physics from SU(3)_gauge symmetry extension" by Dinh Thanh Binh
- **25 November**, 11:00, DLNP, "Joint measurements of DLNP, JINR, Nanjch Observatory and VG FEB BAS" by Bumaa N
- **25 November**, 15:00, BLTP, "Refining chemical reaction rates" by Oleg Tsigal

Culture

- **30 October – 30 November**, JINR Universal Public Library, Joy in Landscapes exhibition
- **18 November – 13 December**, JINR Mir Cultural Centre, Post Factum: glass art exhibition
- **20 November**, 18:00, JINR Universal Public Library, JINR Cinema Club
- **20 November**, 18:30, JINR Universal Public Library, Lecture on JINR wall newspapers
- **21 November**, 16:00, JINR Universal Public Library, Concert at JINR Library
- **22 November**, 18:30, JINR Universal Public Library, Scrapbooking club's meeting
- **23 November**, 18:30, JINR Universal Public Library, Word By Word club
- **24 November**, 18:00, JINR Universal Public Library, Russian speaking club

Sports

- **20 November**, JINR Sports Complex, Dubna, volleyball championship

ALL JINR EVENTS ➡

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