

JINR Newsletter #43, 6 November 2026

Dear colleagues and friends,

The NICA Project recently passed one of its key milestones, with the Multi-Purpose Detector having been moved to its working position. At the latest MPD Collaboration Meeting, specialists discussed the detector's status and plans for working with real experimental data.

Prior to the meeting of the JINR Committee of Plenipotentiaries in Ulaanbaatar, JINR Director Grigory Trubnikov met with Minister of Industry and Mineral Resources, Chair of the Nuclear Energy Commission of the Government of Mongolia Gongor Damdinnyam. Plans were discussed regarding the expansion of the partnership.

JINR held the International School on Nuclear Methods and Applied Research (NUMAR) in Cape Town, aimed at engaging young specialists in the topics of joint studies of JINR and its South African partners. Read about this and much more in the latest JINR Newsletter.

JINR Press Office



Cooperation

Meeting with Minister of Industry and Mineral Resources of Mongolia

JINR Director Grigory Trubnikov met with Minister of Industry and Mineral Resources, Chair of the Nuclear Energy Commission of the Government of Mongolia Gongor Damdinnyam. The parties discussed the partnership's long history and agreed to define the most promising areas of expanding collaboration.



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Conferences

Multi-Purpose Detector's readiness for first launch discussed at JINR

The 18th MPD Collaboration Meeting took place at the Laboratory of High Energy Physics at JINR. The facility is being prepared for the first experiments at the NICA Collider. One of the detector's key subsystems, the Time Projection Chamber, was installed; a video about this is available via the link.



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Ninth Congress on Radiation Research: sections

The new article on the JINR website details the topics of the 13 sections of the recent Congress on Radiation Research. The Joint Institute for Nuclear Research hosted the event from 5 to 9 October.

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Anniversary AYSS conference finished in Uzbekistan

From 18 to 22 October, the 30th International Scientific Conference of Young Scientists and Specialists (AYSS-2026) was held in Tashkent. Marking the 70th jubilees of JINR and the Institute of Nuclear Physics of the Academy of Sciences of Uzbekistan, the event brought together over 130 participants from ten countries.



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Research

JINR physicists performed pioneering measurement of prompt neutron yield in spontaneous seaborgium fission

The experiment was conducted by FLNR specialists using the SHELS Separator and the SFiNx Detection System. BLTP scientists participated in modelling and interpreting the results. The data obtained is important for studying the superheavy element fission and developing advanced theoretical approaches.

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Education

JINR held NUMAR international scientific school in South Africa

As part of the latest International School on Nuclear Methods and Applied Research in Environmental, Material and Life Sciences, students and postgraduates listened to lectures and toured research facilities. The event was aimed at engaging young specialists in the topics of joint studies of JINR and its South African partners.



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Announcements

MCE-2027 invites applications

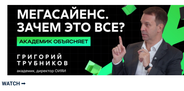
The 34th "Mathematics. Computing. Education" international conference organized with the participation of the Joint Institute for Nuclear Research will take place from 25 to 30 January 2027 in a hybrid format. Registration is available via the link until 29 November.

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Media

JINR Director on big science

Tomsk Polytechnic University published an interview in which academician Grigory Trubnikov talks about megascience facilities: their importance, design, and interesting facts from their history.



WATCH ➡

Updates on TAIGA Astrophysical Complex

TAIGA's team, including JINR specialists, is preparing to commission the facility's first full-scale muon detector: its pool is ready for waterproofing. The new facility will allow detecting muons from extensive air showers and separating gamma-ray quanta from the charged cosmic ray background in the 1–10 PeV range.

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AYSS at international scientific platform in China

Xi'an hosted a meeting of the Council of Young Scientists of the International Association of Academies of Sciences. AYSS representatives took part in the event. Vladislav Rozhkov chaired the meeting, and Regina Kozhina discussed the work of AYSS at JINR.

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October in JINR history

JINR published a post dedicated to important dates in the Institute's history. The archives show mid-autumn as a time of busy working days, visits of distinguished guests, and memorable meetings. In different years, October brought together outstanding scientists, politicians, and diplomats from around the world in Dubna.



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JINR Press Office reaches final of For Loyalty to Science award

On 30 October, the ceremony of the 12th All-Russian For Loyalty to Science award took place in Moscow. The Joint Institute for Nuclear Research won the second prize in the Scientific Press Service of the Year category.

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Video about cooperation between MLIT and Dubna University

Dubna State University released a video dedicated to the many years of collaboration with the Laboratory of Information Technologies at JINR. MLIT Scientific Leader Vladimir Korenkov discussed the history of the partnership, and university graduates shared stories about their work and projects.

WATCH ➡

Formula of Harmony festival: celebration of music in Dubna

On 28 October, the JINR Mir Cultural Centre hosted the opening of the music festival by Vladimir Spivakov and the Moscow Virtuosi. Organized with JINR's participation, the event featured eight brilliant concerts, from timeless classics to jazz and theatrical plays.



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Seminar recordings

We invite you to watch recordings of the talks "Development and implementation of algorithms for simulating electromagnetic calorimeter using Sampo software platform" by Ilia Zimin and "Radiation corrections to observed values in polarised beam experiments" by Aleksei Kampf.

WATCH[1] ➡
WATCH[2] ➡

Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper, #45, 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

- **6–7 November**, Session of Committee of Plenipotentiaries of Governments of JINR Member States, Mongolia, Ulaanbaatar

Conferences

- **11–15 November**, JINR-India workshop on Condensed Matter Physics, Chennai, India

Education

- **9–13 November**, JINR Expertise for Member States and Partner Countries (JEMS-20) training programme, JINR, Dubna

Seminars

- **6 November**, 11.00, FLNP, "Neutron physical calculations and comparison of the IBR-4 and NEPTUNE IRPD concepts: selecting the optimal reflector material" by Jacob Vidosh, Maxim Podkopaev
- **6 November**, 11.30, VBLHEP, "The 54th International Symposium on Multiparticle Dynamics" by Elena Kokoulina
- **6 November**, 15.00, FLNP, "Beyond periodicity: neutron interference and magnetic order in complex multilayers" by Zaky A. Zaky
- **11 November**, 11.00, DLNP, "Radiotherapy for neurodegenerative diseases: progress and prospects" by Victor Kohan

Culture

- **30 October – 30 November**, JINR Universal Public Library, Joy in Landscapes exhibition
- **6 November**, 18.00, JINR Scientists' Club, Lecture on symbolism in art
- **7 November**, 16.00, JINR Universal Public Library, Hairpin book club
- **7 November**, 19.00, JINR Mir Cultural Centre, Male ensemble performance
- **8 November**, 17.00, JINR Mir Cultural Centre, Concert of "Steinway Invites" series
- **10 November**, 19.00, JINR Mir Cultural Centre, Screening of film dedicated to 70th Obninsk anniversary

ALL JINR EVENTS ➡

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