

JINR Newsletter #2, 22 January 2025

Dear colleagues and friends,

The Institute's biannual Programme Advisory Committees' meetings started this week. On 20 January, members of the PAC for Particle Physics discussed the progress of the construction of the NICA Collider, the initiation of a new neutrino physics project, and the results of international collaborations' work.

In the latest issue of the JINR Newsletter, you will find new R&D publications by Institute's scientists, an educational video about accelerators with a JINR researcher, the January literature exhibition in the Science and Technology Library, and much more.



Advisory Bodies

60th meeting of JINR Programme Advisory Committee for Nuclear Physics

The event will take place on 23–24 January at the JINR International Conference Centre. The PAC members will discuss the progress of the JINR nuclear physics projects and main facilities.

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Cooperation

JINR at 25th JUNO Collaboration Meeting

Ten scientists of the Laboratory of Nuclear Problems and the Laboratory of Information Technologies represented JINR at the event on 13–17 January in China. The meeting focused on the issues of commissioning the detector.

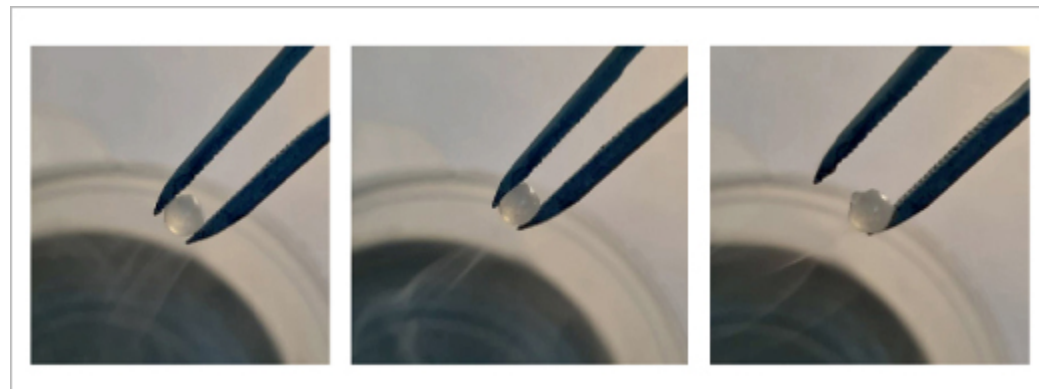


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Publications

Device for producing material for cryogenic neutron moderators

The JINR Publishing Department has issued a preprint entitled "Operating principles of a device for producing dispersed moderating material in the form of balls for cryogenic neutron moderators" by FLNP scientists. The study focuses on physical effects occurring during the production of dispersed moderating substance for cryogenic neutron moderators of the IBR-2M Reactor.



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New tellurium-containing scintillators advance search for neutrinoless double beta decay

Employees of the DLNP Scientific and Experimental Department of Nuclear Spectroscopy and Radiochemistry and Dubna State University presented the first results of the development of formerly unknown tellurium-containing plastic scintillators in detectors designed to search for neutrinoless double beta decay.

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Books

New Book Acquisitions exhibition in S&T Library

From 9 to 31 January, the JINR Science and Technology Library is hosting a new literature exhibition: books, textbooks, conference proceedings, and anniversary editions are on show.

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Announcements

Science lectures for schoolchildren

The JINR University Centre invites schoolchildren from 7 to 11 grades (over 12 y. o.) to take part in the S'cool Science project. Both onsite and online classes are available. The lectures are free. You can find more details [via the link](#).

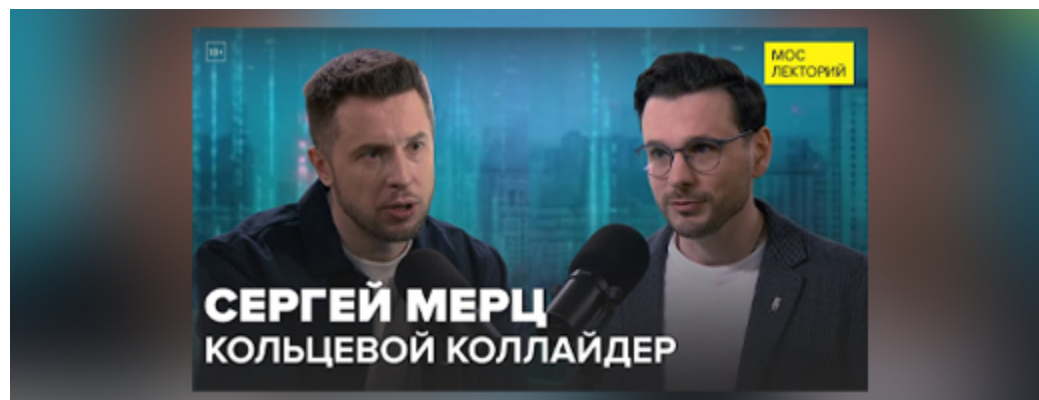


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Media

JINR researcher in Moscow Lecture Hall

In the new episode of the educational project, a VBLHEP JINR leading researcher Sergei Merts discussed the NICA Accelerator Complex and the most popular questions about colliders.



[WATCH →](#)

Seminar recordings

We invite you to watch a recording of the seminar entitled "High-speed multi-channel digitisers and detector electronics available in 2025" by Ivan Bredikhin.

[WATCH IN VK →](#)

[WATCH ON YOUTUBE →](#)

A day in JINR life

Every week, the JINR Telegram channel shares archival photos of the Institute and the city. We invite you to take a look at FLNR Director Georgy Flerov at a JINR Scientific Council session, photographed exactly 38 years ago, on 17 January 1987.



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JINR Weekly Newspaper issued

A new issue of the Weekly JINR Newspaper #1 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

- [23 - 24 January. 60th Meeting of the Programme Advisory Committee for Nuclear Physics. JINR, Dubna](#)
- [27 January. 60th Meeting of the Programme Advisory Committee for Condensed Matter Physics. JINR, Dubna](#)
- [27 January. 32nd International Conference "Mathematics, Computer, Education". Pushchino, Russia](#)

Seminars

- [23 January, 11:00 AM. DLNP. "Monte Carlo study of application of lithium glass composite scintillator for thermal neutron detection" by Iliia Zimin](#)
- [23 January, 11:00 AM. VBLHEP. "5 Tesla HTS solenoid with 50 mm aperture with increased stability for cryocooled operation" by Gennady Dorofeev](#)

Culture

- [22 January — 16 February. Daily from 1:00 to 7:00 PM. \(except Monday\). JINR Mir Cultural Centre. Quiet World of Dubna exhibition](#)
- [23 January, 7:00 PM. JINR Universal Public Library. Hairpin book club](#)
- [24 January, 6:00 PM. JINR Universal Public Library. JINR Cinema Club](#)
- [24 January, 6:00 PM. JINR Universal Public Library. English speaking club](#)
- [24 January, 6:30 PM. JINR Universal Public Library. Scrapbooking club's meeting](#)
- [24 January, 7:00 PM. JINR Scientists' Club. Classical music concert](#)
- [25 January. Trip by JINR Scientists' Club to Pyotr Fomenko Workshop Theatre. Moscow](#)
- [25 January, 3:00 PM. JINR Universal Public Library. Vocal music concert](#)
- [25 January, 6:00 PM. JINR Mir Cultural Centre. Poetry and music play](#)
- [25 January, 6:00 PM. JINR Universal Public Library. Guttenberg's Smoking Room meeting](#)
- [29 January, 7:00 PM. JINR Mir Cultural Centre. Dubna Symphony Orchestra concert](#)

For Kids

- [22 January, 5:30 PM. JINR Universal Public Library. English club for children](#)
- [25 January, 5:00 PM. JINR Universal Public Library. "Let's READers"](#)
- [26 January, 5:00 PM. JINR Mir Cultural Centre. Interactive musical performance](#)

[ALL JINR EVENTS →](#)