

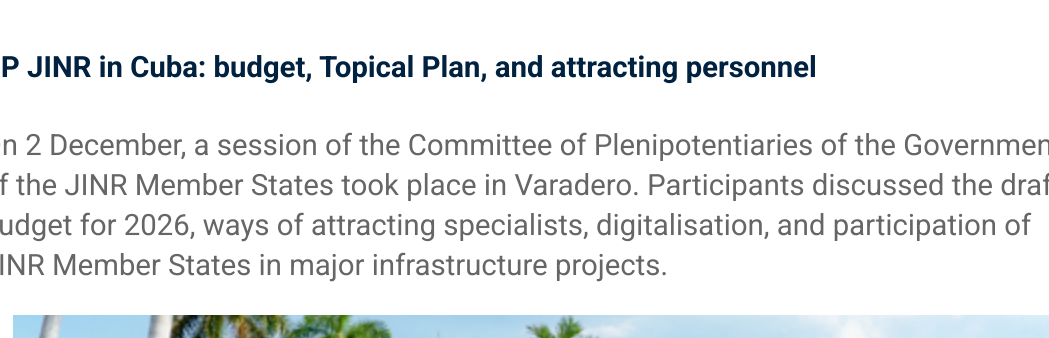
## JINR Newsletter #45, 5 December 2025

Dear colleagues and friends,

*This week, Cuba hosted a session of the Committee of Plenipotentiaries of the Governments of the JINR Member States and a meeting of the Finance Committee. They key topics were the 2026 budget, Topical Plan, scientific programme, and personnel policy. The participants discussed ways of ensuring that JINR remains a pleasant and secure place to work, learn and develop as a professional.*

*During a visit of Director General of the Institute of Nuclear Physics of the Agency of the Republic of Kazakhstan for Atomic Energy Sayabek Sakhyeyev to JINR, a new Letter of Intent was signed. The parties will collaborate in designing a new neutron source in the Republic, which will contribute to enriching its science.*

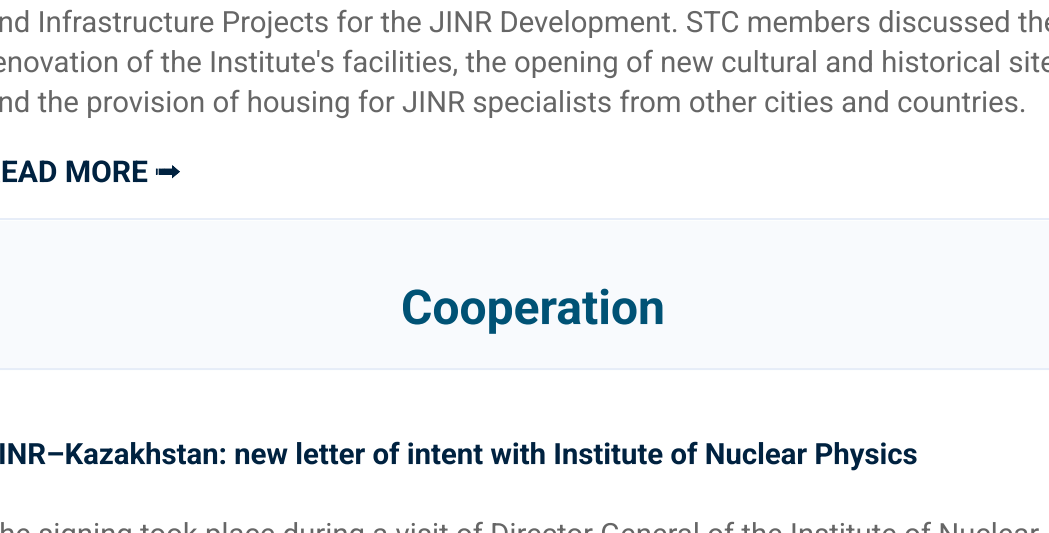
*Read about a Science and Technology Council meeting, the HybriLIT Workshop 2025, a lecture by Yuri Oganessian dedicated to the 20th anniversary of The Gates project, and much more in the latest JINR Newsletter.*



### Governing & Advisory Bodies

#### CP JINR in Cuba: budget, Topical Plan, and attracting personnel

On 2 December, a session of the Committee of Plenipotentiaries of the Governments of the JINR Member States took place in Varadero. Participants discussed the draft budget for 2026, ways of attracting specialists, digitalisation, and participation of JINR Member States in major infrastructure projects.



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#### JINR STC: social infrastructure development is among Joint Institute's priorities

The Science and Technology Council held a joint meeting with the Council for Social and Infrastructure Projects for the JINR Development. STC members discussed the renovation of the Institute's facilities, the opening of new cultural and historical sites, and the provision of housing for JINR specialists from other cities and countries.

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### Cooperation

#### JINR–Kazakhstan: new letter of intent with Institute of Nuclear Physics

The signing took place during a visit of Director General of the Institute of Nuclear Physics of the Agency of the Republic of Kazakhstan for Atomic Energy Sayabek Sakhyeyev to JINR. The document lays the foundation for the joint development and creation of a high-intensity ultracold neutron source in Kazakhstan.



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#### Joint delegation from Russia and Belarus visited JINR

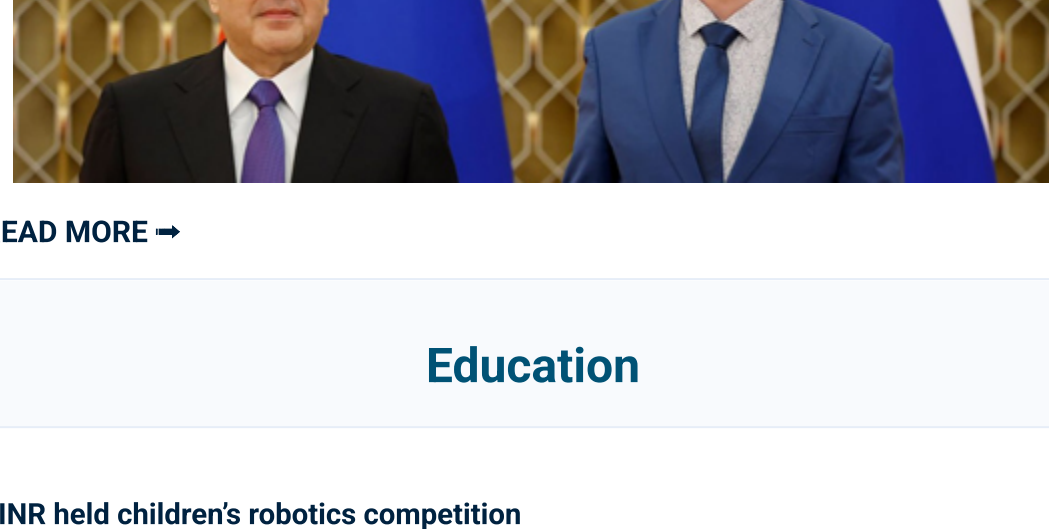
The visit by delegations from the Federation Council of the Federal Assembly of Russia and the Council of the Republic of the National Assembly of Belarus took place on 28 November. The parties discussed multilateral cooperation, particularly collaborations with the Institute in science and technology.

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### Conferences & Meetings

#### Baikal Collaboration Meeting took place at JINR

From 1 to 5 December, participants of the international collaboration discussed the progress of the deep underwater Baikal GVD Neutrino Telescope, the latest data analysis results, and plans for improving the experiment's infrastructure.



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#### Development of JINR heterogeneous computing infrastructure discussed at MLIT workshop

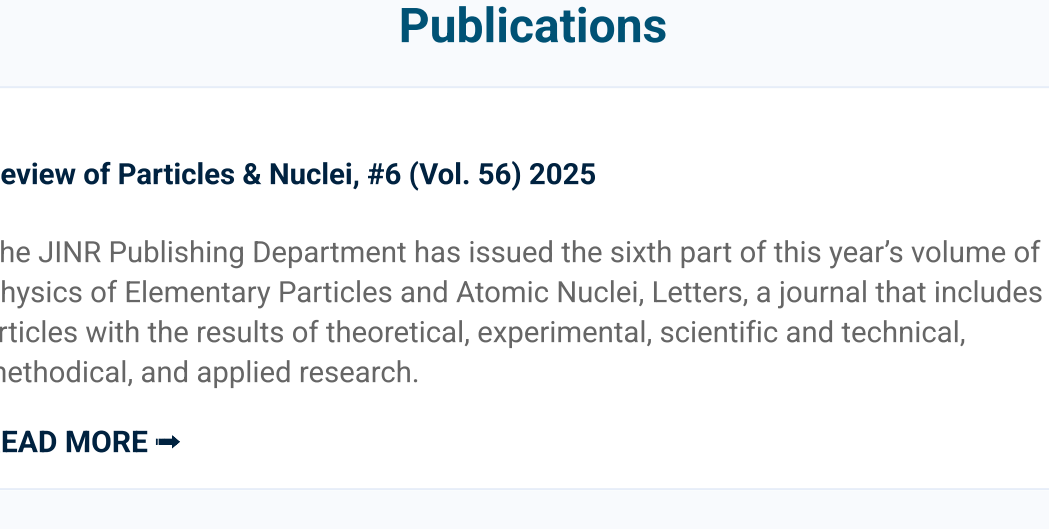
The key topic of "HybriLIT Workshop 2025: Towards Efficient Scientific Computing" was the HybriLIT Heterogeneous Computing Platform and the Govoron Supercomputer. In addition to scientific talks, the programme included practical lessons and a round table.

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### Awards

#### Young JINR scientists received Russian Government Award

A team of young specialists led by a VBLHEP senior researcher Mikhail Shandov was honoured with the Russian Government Award in Science and Technology. The prize highlighted their achievements in the correction of the leading magnetic field of NICA's Booster.



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### Education

#### JINR held children's robotics competition

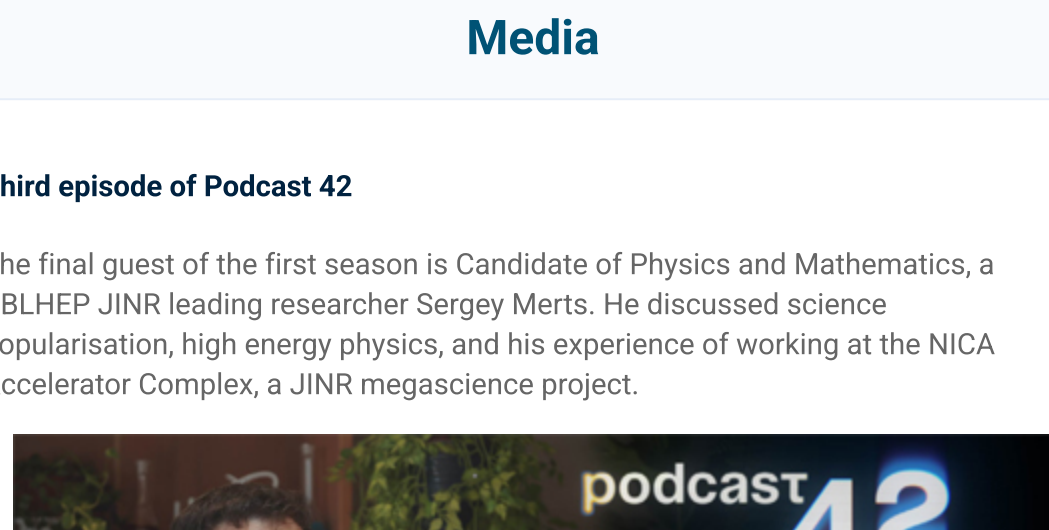
In cooperation with School No. 10, School No. 3, and Dubna Polytechnic Vocational School, representatives of the JINR University Centre organized robotics qualifiers for schoolchildren in Serpukhov, Russia. Teams competed in six fields: physics, mathematics, engineering, IT, and natural sciences.

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### JINR Social

#### Exhibition dedicated to 20th anniversary of The Gates project opened at FLNR

Prior to the opening of the exhibition, FLNR Scientific Leader Yuri Oganessian gave a lecture about the large-scale installation unveiled in 2005 in New York City's Central Park. He discussed the creative journey of the project's creators and the evolution of contemporary fine art.



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### Publications

#### Review of Particles & Nuclei, #6 (Vol. 56) 2025

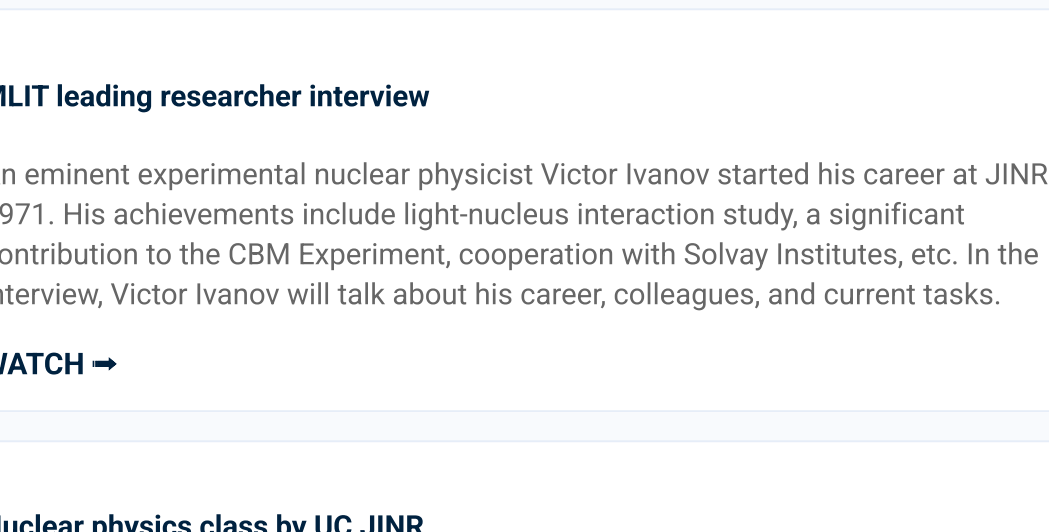
The JINR Publishing Department has issued the sixth part of this year's volume of Physics of Elementary Particles and Atomic Nuclei, Letters, a journal that includes articles with the results of theoretical, experimental, scientific and technical, methodical, and applied research.

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### Books

#### 100 Years of Quantum Mechanics exhibition at S&T Library

Until 25 December, the JINR Science and Technology Library is hosting an exhibition marking the centennial of the discovery of quantum mechanics. Visitors can find works of the theory's founders, books about its creation and development, and textbooks on the basics of quantum mechanics.



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### Announcements

#### Applications invited for Evgeny Krasavin LRB grant

The new prize is aimed at commemorating the outstanding Russian radiobiologist, founder of the Laboratory of Radiation Biology at JINR, and encouraging young scientists of the laboratory. Application submission deadline is 15 December.

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### Media

#### Third episode of Podcast 42

The final guest of the first season is Candidate of Physics and Mathematics, a VBLHEP JINR leading researcher Sergey Merts. He discussed science popularisation, high energy physics, and his experience of working at the NICA Accelerator Complex, a JINR megascience project.



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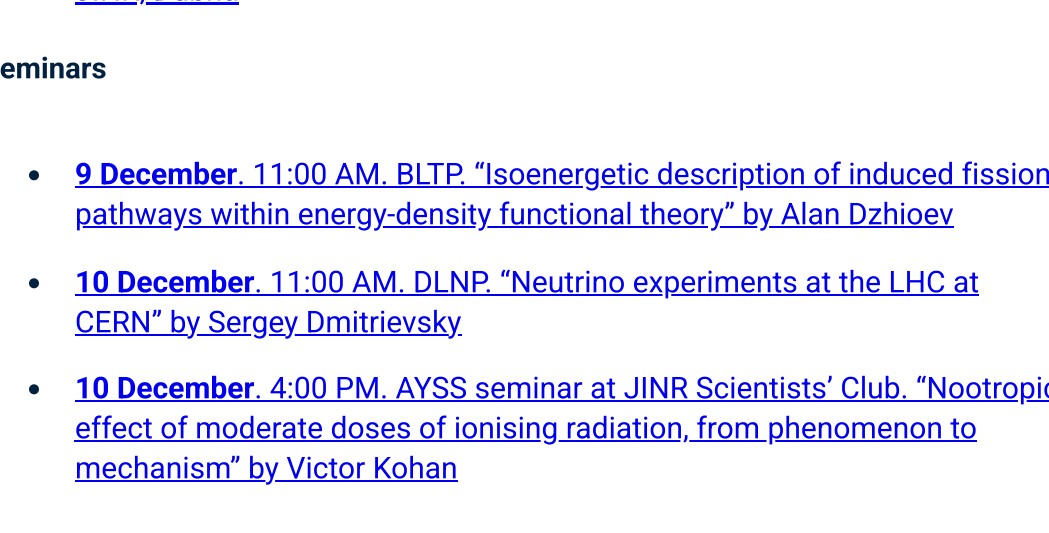
#### MLIT expands collaboration with South African research centres

A delegation from the Laboratory of Information Technologies at JINR visited leading South African research organizations. The parties agreed to hold joint events, such as a workshop on machine learning for the South African centres and an IT school for representatives from South Africa and Egypt.

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#### December wallpapers for your devices

Our new wallpaper depicts part of an installation created at the Laboratory of Computer Technology and Automation (the previous name of MLIT at JINR) in the 1980s. The art object is thought to be inspired by the appearance of punched cards and punched tapes.



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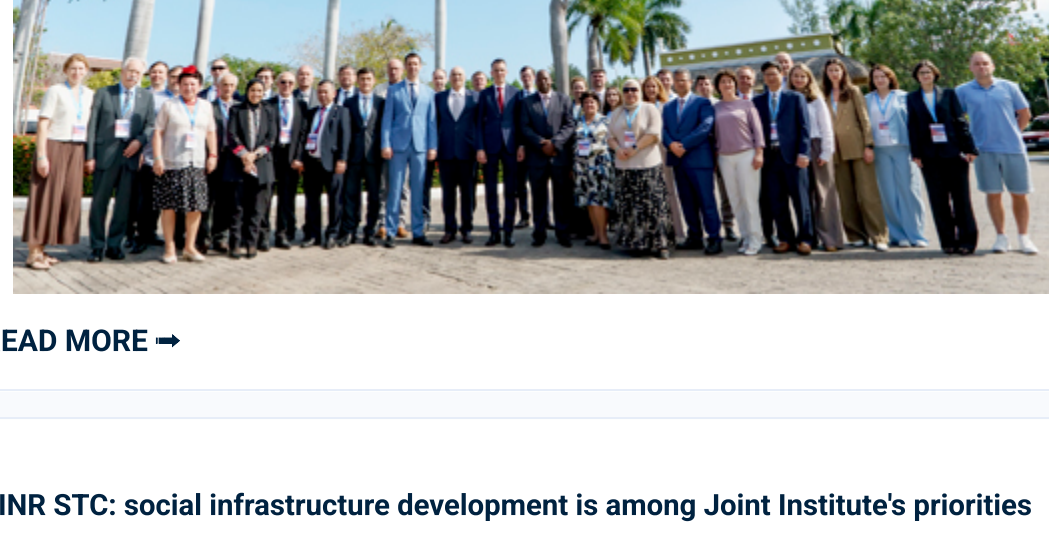
#### MLIT leading researcher interview

An eminent experimental nuclear physicist Victor Ivanov started his career at JINR in 1971. His achievements include light-nucleus interaction study, a significant contribution to the CBM Experiment, cooperation with Solvay Institutes, etc. In the interview, Victor Ivanov will talk about his career, colleagues, and current tasks.

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#### Nuclear physics class by UC JINR

The online hands-on class took place as part of a workshop dedicated to the all-Russian Science Day. A researcher at the Laboratory of High Energy Physics at JINR Dmitry Dryablov introduced the participants to modelling experiments with radioactive elements.



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#### Dubna University graduate discusses work at JINR

A junior researcher at the Laboratory of Nuclear Problems Artem Bystryakov gave an interview to the newspaper of Dubna State University. He talked about his path from undergoing an internship to writing a candidate's dissertation at the Experimental Department of Nuclear Spectroscopy and Radiochemistry.

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#### AYSS event digest

AYSS has published the event digest for November: the Association held its 100th seminar, JINR employees received the Moscow Region Governor's Prize, and the German Conversation Club celebrated its birthday.



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#### Seminar recording

We invite you to watch a recording of the seminar "Structure of heavy nuclei and nucleon-nucleon interactions" by Rostislav Jolos.

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#### 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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### Upcoming Events

#### Training

- **8–17 December. JINR scientific school for methodologists of educational centres of South Africa.** [JINR, Dubna](#)
- **9–11 December. Conference of young FLNP scientists and specialists.** [JINR, Dubna](#)

#### Seminars

- **9 December, 11:00 AM, B1P.** "Isoneutronic description of induced fission pathways within energy-density functional theory" by Alan Dzhioev
- **10 December, 11:00 AM, DLNP.** "Neutrino experiments at the LHC at CERN" by Sergey Dmitrievsky
- **10 December, 4:00 PM.** AYSS seminar at JINR Scientists' Club. "Neotronic effect of moderate doses of ionising radiation from phenomenon to mechanism" by Victor Koban

#### Culture

- **5 December, 7:00 PM.** JINR Scientists' Club. [Lecture on Russian art of 18th century](#)
- **6 December, 5:00 PM.** JINR Universal Public Library. [Sailing Five Oceans lecture](#)

[ALL JINR EVENTS →](#)