

JINR Newsletter #42, 6 November 2024

Dear colleagues and friends,

Preparations for the launch of one of JINR's flagship projects, NICA, are in full swing. A workshop on polarisation studies at the collider took place recently. The 8th Collaboration Meeting of the SPD (Spin Physics Detector) Experiment at NICA started yesterday at the Institute.

Several events for youth were held with the JINR support. The highlights were the 28th International Conference of Young Scientists and Specialists and a meeting of the legendary researcher Yuri Oganessian with the Dubna College students.

You will find new nuclear physics research results, archival photographs from JINR's life, seminar recordings, and much more in the latest issue of the JINR Newsletter.



Flagship Projects

SPD Collaboration Meeting starts at VBLHEP at JINR

On 5–8 November, more than 200 international researchers are discussing the Spin Physics Detector at the NICA Accelerator Complex. The key topics of the meeting are the construction progress, physics programme, and further development of the project.



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NICA polarisation research programme discussed at JINR

On 30–31 October, VBLHEP JINR hosted a workshop dedicated to polarised sources, polarimetry, and high energy spin physics. The participants discussed the development of the experimental equipment and facilities required for the NICA polarisation research programme and promising areas of cooperation between JINR and the leading Russian scientific centres.

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Research

Properties of previously unknown ²²⁷Pu isotope studied at FLNR at JINR

Scientists from the Laboratory of Nuclear Reactions at JINR, together with colleagues from scientific centres in Russia, China, and Kazakhstan, conducted research into the radioactive decay properties of the new ²²⁷Pu nucleus and its daughter products. The findings were published in a [paper](#).

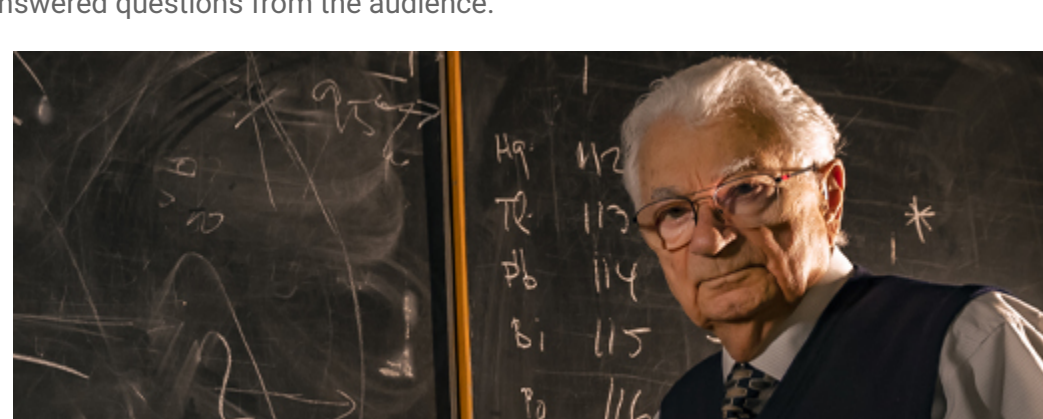


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Education

"Always support youth!": Yuri Oganessian in Dubna College

On 1 November, the legendary researcher, FLNR JINR Scientific Leader, Academician of the Russian Academy of Sciences held a meeting with the Dubna University College students. Yuri Oganessian discussed employment opportunities at JINR and answered questions from the audience.



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JINR Social

Keep Your Balance: cycling world of JINR employees

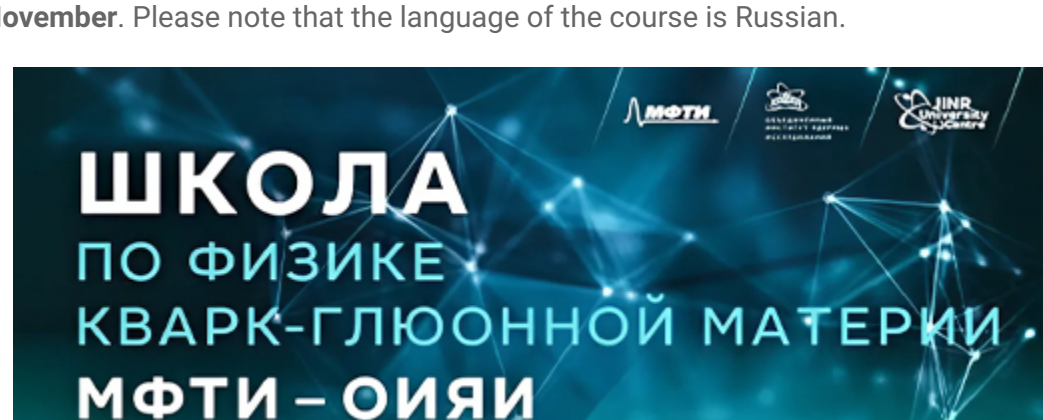
On 31 October, the opening of the Keep Your Balance photo exhibition took place at the JINR Mir Cultural Centre. The project by photographer Daria Konova and the JINR Press Office features Institute's employees who are active cyclists. The exhibition will run until 24 November.

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Announcements

Intensive course into quark-gluon matter

The JINR University Centre invites undergraduates interested in particle physics to study hadron matter from 22 to 26 November. The participants will listen to lectures and tour the Joint Institute laboratories. You can apply [via the link](#) until 15 November. Please note that the language of the course is Russian.

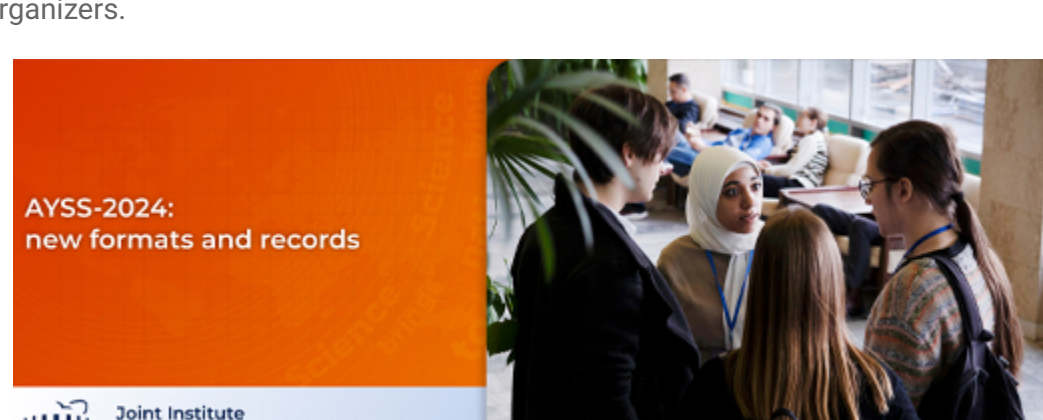


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Media

AYSS-2024: new formats and records

From 28 October to 1 November, the 28th International Conference of Young Scientists and Specialists (AYSS-2024) took place at the Laboratory of Information Technologies at JINR. Please enjoy a video with interviews with the participants and organizers.



[WATCH IN VK →](#)

[WATCH ON YOUTUBE →](#)

November wallpapers for your smartphones

This month's JINR Telegram wallpapers feature the Island of Stability with the selected squares highlighting the elements synthesised at JINR, and the bridge across Volga River. Please enjoy some facts about the Island and take a shot at our new quiz.

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JINR at open day of Moscow Institute of Physics and Technology

The event took place on 3 November, with the JINR-based Department of Fundamental and Applied Problems in Microworld Physics represented by its Deputy Head and postgraduates, along with JINR University Centre employees. More than 200 people visited the stand of the Joint Institute.



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A day in JINR life

On 1 November, the JINR Telegram channel published a post featuring an archive photograph with participants of the seminar on external injection sources in memory of Vladimir Kutner taken exactly 25 years ago, on 1 November 1999. Please enjoy the photo and its description.

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Seminar recording

We invite you to watch the recordings of seminars "Positron annihilation spectroscopy and Doppler spectroscopy as methods of nuclear materials research" by Evgenii Popov¹, "Experiments at Circular Electron-Positron Collider in China. Proposal for JINR participation" by Yuri Kulchitsky², and "Search for quantum black holes using ATLAS Detector data" by Zoya Karpova³.

[WATCH ¹](#)

[WATCH ²](#)

[WATCH ³](#)

JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #42 has been published. Please note that you can read an English version of the JINR Newspaper's website.

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Sports

Nauka Stadium: history and archive photos

The JINR Sports Complex VK page has made a series of posts dedicated to the 70th anniversary of the JINR Nauka Stadium. Please scroll down the page and enjoy photos, newspaper scans, and memories of Dubna citizens.



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Upcoming Events

Conferences

- [5 – 8 November. 8th SPD Collaboration Meeting. VBLHEP JINR. Dubna](#)
- [5 – 22 November. Stage 3 of International Student Practice in JINR Fields of Research for students from Egypt. JINR. Dubna](#)

Seminars

- [7 November, 11:00 AM. VBLHEP. "Magneto-optical structures of synchrotrons of the NICA Complex" by Alexandr Philippov](#)
- [7 November, 11:00 AM. VBLHEP. "Thermal stabilisation and cooling system for the TPC and ECAL Detectors of the MPD Experiment at the NICA Collider" by Youmna Ghoneim. "In-beam tests of double-sided silicon strip detector modules for the BM@N Experiment" by Dmitry Dementev](#)
- [8 November, 10:00 AM. VBLHEP. "Colliders" lecture series. "Beam cooling methods in synchrotrons. Part 4" by Valery Lebedev](#)
- [8 November, 11:30 AM. VBLHEP. "Gravitational waves" by Anton Baushev](#)
- [13 November, 11:00 AM. DLNP. "Study of neutrino properties in accelerator experiments" by Oleg Samoylov](#)

Culture

- [31 October – 24 November. Daily from 1:00 to 7:00 PM \(except Monday\). JINR Mir Cultural Centre. Keep Your Balance photo exhibition](#)
- [7 November, 6:30 PM. JINR Universal Public Library. JINR Cinema Club](#)
- [7 November, 7:00 PM. JINR Universal Public Library. Italian speaking club](#)
- [7 November, 7:00 PM. JINR Universal Public Library. Summer Reading List book club](#)
- [8 November, 6:00 PM. JINR Universal Public Library. English speaking club](#)
- [8 November, 6:30 PM. JINR Universal Public Library. Popular science lecture on neurobiology](#)
- [8 November, 7:00 PM. JINR Mir Cultural Centre. Rock concert](#)
- [10 November. Tretyakov Gallery. Trip by JINR Scientists' Club](#)
- [13 November, 7:00 PM. JINR Mir Cultural Centre. Piano concert](#)

For Kids

- [8 November, 4:00 PM. JINR Universal Public Library. Times and Epochs children's history project](#)
- [9 November, 5:00 PM. JINR Universal Public Library. "Let's READers"](#)
- [9 November, 6:00 PM. JINR Universal Public Library. Growing up from "Let's READers"](#)

[ALL JINR EVENTS →](#)