



JINR Newsletter #22, 18 June 2025

Dear colleagues and friends,

The Joint Institute and South African partners are celebrating 20 years of cooperation. At the opening ceremony of the South Africa Days at JINR, the Institute and Republic's universities signed Memoranda of Understanding aimed at promoting science, technology, and education.

Another anniversary took place on 17 June. Representatives of the JINR Directorate, employees of laboratories, and guests from leading Russian scientific centres gathered to look back at the 20 years since the establishment of the Laboratory of Radiation Biology at JINR and celebrate those who helped it thrive.

In addition, two important research results were presented this week: a researchers' performance assessment system and a new method of forming size- and density-controllable nanopores in tungsten oxide. Find out more in the JINR Newsletter.



Cooperation

South Africa Days at JINR: 20 years of international cooperation

The event is taking place from 16 to 20 June. At the opening ceremony, JINR and South African universities signed Memoranda of Understanding aimed at strengthening cooperation in science, technology, and education, including the implementation of joint projects and the exchange of expertise.



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Advisory Bodies

61st meeting of PAC for Nuclear Physics

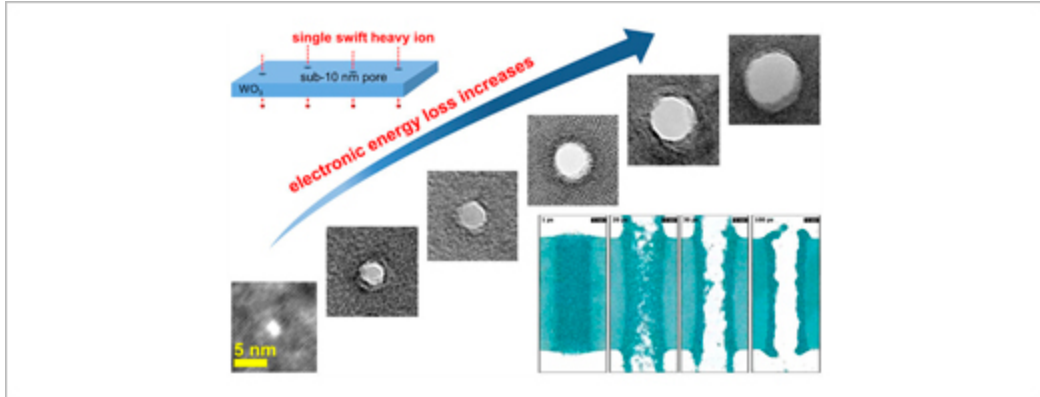
The event will take place on 19–20 June at the JINR International Conference Centre. Members of the Programme Advisory Committee will discuss the progress of the JINR nuclear physics projects and main facilities.

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Research

New method of direct nanopore fabrication in tungsten oxide

An international team of researchers from JINR and the Institute of Modern Physics (China) proposed irradiating tungsten oxide with fast heavy ions in order to form size- and density-controllable nanopores. This method offers new opportunities in the creation of new materials with unique optical and electronic properties for photocatalysis and semiconductor electronics.



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Patents

Researchers' performance assessment system registered

The Institute's employees created a program that generates performance reports of researchers. It analyses the number of tasks completed, the quality of studies, and the punctuality in meeting deadlines.

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Media

LRB JINR celebrated its 20th birthday

On 17 June, the Scientists' Club hosted a seminar that brought together representatives of the Institute's Directorate, employees of JINR's laboratories, and guests from leading Russian scientific centres. The programme also included a screening of a film about the history, development, and research areas of the Institute's youngest laboratory.



[WATCH IN VK →](#)

[WATCH ON YOUTUBE →](#)

Seminar recordings

We invite you to watch recordings of the seminars "Atmospheric muon and high energy neutrino fluxes calculations" by Anna Gridina¹ and "Exploring defect structures in P⁺ implanted BIVO₄" by Nguyen Vu Minh Trung².

[WATCH¹ →](#)

[WATCH² →](#)

Sports

JINR achievements in swimming

At the IVER SWIM competition, an Archimedes Swimming Pool coach Maria Alikina won in the 950 m race. In addition, a women's team of JINR's Element 105 club consisting of Maria Alikina, Zoya Vozmilova, and Polina Firsaeva triumphed in the 3×100 m relay. Congratulations on the successful performance!

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Upcoming Events

Advisory Bodies

- [19–20 June, 61st Meeting of Programme Advisory Committee for Nuclear Physics, JINR International Conference Centre](#)
- [23 June, 62nd Meeting of Programme Advisory Committee for Particle Physics, JINR International Conference Centre](#)

JINR Days

- [15–20 June, Days of South Africa, JINR, Dubna](#)

Conferences

- [23–27 June, South Africa – JINR workshop on theoretical and computational physics, JINR, Dubna](#)

Ceremonies

- [25 June, Ananyev Square opening ceremony, JINR, Dubna](#)

Training

- [26 May – 23 June, Internship for CIS scientists, JINR, Dubna](#)
- [16 June – 4 July, Stage I of International Student Internship in the JINR Fields of Research for Students from South Africa and Egypt, JINR, Dubna](#)

Seminars

- [19 June, 4:00 PM, BLTP, "From dark matter to the dark universe" by Sergey Kovalenko](#)
- [19 June, 4:00 PM, JINR Scientists' Club, "Decomposition in action: from problem to comprehensive solution" by Ekaterina Ulitina](#)
- [20 June, 11:00 AM, FLNP, "Structural and magnetic ordering in Fe₆\(Ge,Ga\)₅ intermetallic compounds" by Roman Khalaniya](#)
- [20 June, 11:30 AM, VBLHEP, "Machine learning methods for intelligent analysis and processing of experimental data in high energy physics" by Gennady Ososkov](#)
- [23 June, 3:00 PM, FLNP, "Launch of the world's first pulsed reactor 65 years ago" by Evgeny Shabalin](#)
- [25 June, 11:00 AM, DLNP, "Studying the partonic structure of kaons using direct photon production in the AMBER Experiment" by Andrei Gridin](#)

Culture

- [18 June, 7:00 PM, JINR Mir Cultural Centre, From Baroque to Romanticism concert](#)
- [18 June, 7:00 PM, JINR Mir Cultural Centre, Academic choir concert](#)
- [20 June, 6:00 PM, JINR Universal Public Library, JINR Cinema Club](#)
- [24 June, 7:00 PM, JINR Scientists' Club, Orpheus Atlas concert](#)

Sports

- [21 June, 12:00 PM, JINR Sports Complex, Archery tournament](#)

[ALL JINR EVENTS →](#)