

## JINR Newsletter #25, 2 July 2026

Dear colleagues and friends,

JINR's recent agenda was highlighted by international scientific events covering a rich variety of cutting-edge research areas. These included a visit to South Africa, where JINR scientists successfully integrated a nuclear spectroscopy method for the study of radiopharmaceuticals.

JINR Director Grigory Trubnikov represented the Institute at the Obninsk NEW 2026 international forum in Kaluga, reinforcing JINR's commitment to fostering global scientific exchange in peaceful nuclear energy. The event brought together over 700 participants from 85 countries.

Explore this week's JINR Newsletter to find articles about the IAEA conference on accelerators in Vienna, the seminar on applied research at the Flerov laboratory, the latest issue of Natural Science Review, and much more.

JINR Press Office



### Advisory Bodies

#### PAC CMP focused on construction of IBR-2 facilities and FLNP user programme

The 63rd meeting of the PAC for Condensed Matter Physics took place on 25–26 June. Topping the agenda were the IBR-2 progress, prospects for creating a new neutron source, and the development of a neutron imaging and small-angle scattering spectrometer. In addition, the committee members discussed scientific talks.



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### Cooperation

#### JINR and South African scientific centres join efforts in radiopharmaceuticals research

JINR specialists together with colleagues from the Neca Nuclear Energy Corporation and the NRF: IThemba LABS are conducting research in nuclear medicine. The recent working visit of DLNP scientists to South Africa resulted in an integration of the nuclear spectroscopy of perturbed angular correlations for the study of radiopharmaceuticals.

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### Conferences

#### "Future belongs to nuclear energy and technology": Grigory Trubnikov at Obninsk NEW 2026 forum

On 26 June, the fourth Obninsk NEW 2026 international youth forum took place in Kaluga Region, Russia. JINR Director moderated the plenary session entitled "Nuclear Energy for the Future of Humanity: Synergy of Technologies, Knowledge and Partnerships".



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#### JINR at IAEA International Conference on Accelerators in Austria

Delegation from VBLHEP and FLNR headed by JINR Director Grigory Trubnikov visited the event, which gathered 400 participants from 76 countries. The Institute's representatives gave talks dedicated to the NICA Collider, accelerator technology innovations and AI, and took part in a poster session.

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#### Dubna MSU branch holds 39th All-Russian Conference on Cosmic Rays

The event brought together about 270 participants from scientific centres of Russia, China, India, and Kazakhstan. JINR employees made a significant contribution to the organization of the event and the preparation of the scientific programme, which includes about 100 talks and over 90 poster presentations on cosmic ray physics.



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#### Seminar on applied research using beams of accelerated heavy ions took place at FLNR at JINR

The event initiated by the Scientific Leader of the Laboratory of Nuclear Reactions, Academician of the Russian Academy of Sciences Yuri Oganessian gathered more than 60 participants from about 20 organizations. The scientific programme included applications of track membranes and tests of the electronic components for radiation resistance.

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### Education

#### BLTP JINR opened "Nuclear Dynamics: from Stars to Colliders" international school

The event is organized as part of the DIAS-TH (Dubna International Advanced School of Theoretical Physics) scientific and educational project. The school is for students, postgraduates, and young scientists from Russia, China, Cuba, India, and Kazakhstan interested in fundamental issues of nuclear physics and modern methods of solving them.



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### Announcements

#### International Workshop on High Energy Spin Physics opens registration

From 7 to 11 September, BLTP will host the 20th DSPIN workshop in a hybrid format. Scientists interested in spin phenomena at high and intermediate energies are invited. The abstract submission is available [via the link](#) until 16 August.

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### Publications

#### New issue of Natural Science Review

The seventh issue of the international scientific journal published by JINR features articles on relevant issues of computer science, high energy, condensed matter, and mathematical physics, accelerator and nuclear physics, along with biological and chemical studies.

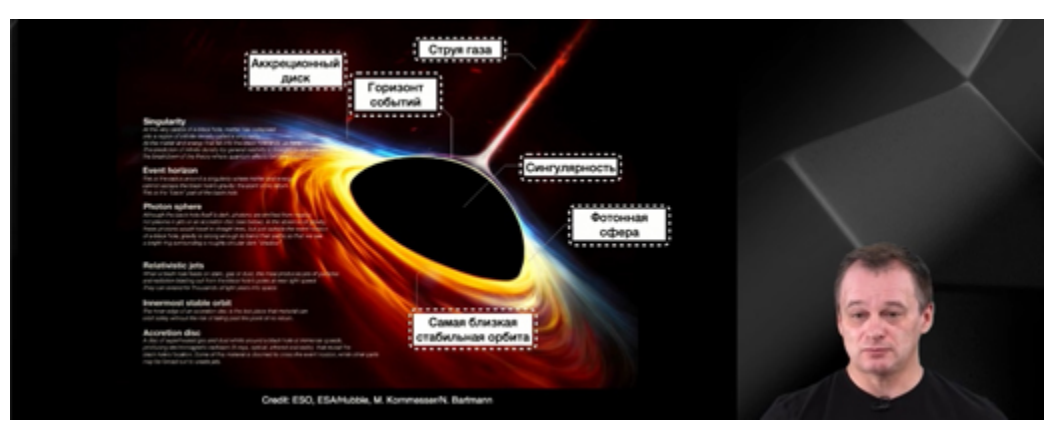


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### Media

#### Lecture by DLNP Deputy Director

On his YouTube channel, Dmitry Naumov gave a lecture on black holes, one of the most mysterious objects in the universe. Learn how black holes are born, what happens when something falls inside these objects, and how scientists study bodies that stop all the light from leaving them.



[WATCH →](#)

#### JINR Sports Club invites visitors

After renovation, the Sports Club provides athletes with a weightlifting room, a modern gym, a sports hall, and a sauna with a relaxation room. Please note that JINR employees receive a 50% discount on the sports complex services.

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#### June in JINR history

The JINR Telegram channel shared another post dedicated to important dates in the Institute's history. Throughout the years, the first summer month saw discoveries, the construction of new facilities and their launch. You can learn more about each event by opening the photos.



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#### MLIT archival photos

The Telegram channel of the Laboratory of Information Technologies at JINR published a post presenting archival pictures taken throughout the years in JUNE.

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#### Seminar recordings

We invite you to watch the recordings of talks "Data quality monitoring and control in JUNO Experiment<sup>1</sup>" by Anastasia Bolshakova, "LEGEND: progress in the search for  $0\nu\beta\beta$  decay of  ${}^{76}\text{Ge}^{-2}$  by Konstantin Gusev, and "Composite scintillators based on ZnS(Ag) crystal for thermal neutron detection<sup>3</sup>" by Iliia Zimin.

[WATCH<sup>1</sup> →](#)

[WATCH<sup>2</sup> →](#)

[WATCH<sup>3</sup> →](#)

### Sports

#### Archimedes Swimming Pool celebrated 55th anniversary

On 27 June, open competition dedicated to the anniversary of the JINR Archimedes Swimming Pool [took place](#). Academician Gory Flerov initiated the construction of the pool, which remains an active venue for workouts, competitions, and classes for children and adults.



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#### JINR employees at archery competition

Nauka Stadium held the Double York archery tournament. Yulia Parfenova from FLNR and Khusein Karataev from DLNP took second places in their categories. Congratulations to the athletes on their achievements!

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### Upcoming Events

#### Conferences

- [29 June – 3 July, 39th All-Russian conference on cosmic rays, JINR, Dubna](#)
- [5–10 July, JINR Days in Serbia and Working Group on JINR Charter, Serbia, Belgrade](#)

#### Education

- [29 June – 10 July, DIAS, BLTP JINR, Dubna, Nuclear Dynamics: from Stars to Colliders, BLTP JINR, Dubna](#)
- [6–10 July, 15th International scientific school for physics teachers at JINR, Dubna](#)

#### Culture

- [9 June – 31 July, JINR Universal Public Library, Exhibition by JINR Artists' Club](#)
- [3 July, 18:00, JINR Universal Public Library, JINR Cinema Club](#)
- [5 July, Trip by JINR Scientists' Club](#)

[ALL JINR EVENTS →](#)