

## JINR Newsletter #6, 18 February 2026

Dear colleagues and friends,

Dubna welcomed a delegation from the High Energy Accelerator Research Organization (KEK, Japan). During the visit, the parties signed a cooperation agreement providing for academic exchange, joint participation in new international projects, and the advancement of accelerator technologies.

Nightly commissioning works on 12 February successfully resulted in the first simultaneous long-term circulation of counter-rotating xenon ion beams in the NICA Collider. The achievement indicates the correct and synchronous operation of the most intricate engineering systems of the entire accelerator complex.

JINR continues developing the city's infrastructure for the benefit of all its residents. Recently, the International Conference Centre hosted the opening of the JINR Gallery, with an exhibition of works by the eminent Russian artist Francisco Infante on display until 27 July. More details are available in the latest JINR Newsletter.

JINR Press Office



### Cooperation

#### JINR-KEK: new stage in strategic partnership with Japanese high energy physics centre

The Joint Institute and the High Energy Accelerator Research Organization (KEK, Japan) signed a cooperation agreement in Dubna. The parties agreed to enhance academic exchange, jointly participate in new international projects, and advance the development of accelerator technologies.



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### Flagship Projects

#### Stable circulation of counter-rotating beams achieved at NICA Collider

The NICA Accelerator Complex reached an important milestone. On the night of 12 February, during the commissioning, simultaneous circulation of counter-rotating beams of xenon nuclei in the collider rings was achieved for the first time.



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### Governing Bodies

#### 139th session of JINR Scientific Council announcement

On 19–20 February, the 139th JINR SC session will take place at the JINR International Conference Centre in a hybrid format. The programme includes news of the Institute's laboratories and departments, the DLNP Deputy Director election, scientific talks, and announcement of the JINR Prize winners.

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### Culture

#### "ArteFacts" in heart of big science: JINR Gallery opens with Francisco Infante's exhibition

On 12 February, the International Conference Centre hosted the opening ceremony of the JINR Gallery. The ArteFacts of Francisco Infante – an exhibition of works by an eminent Russian artist – will be on display until 27 July. The Gallery's [Telegram channel](#) will be providing further updates.



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### Conferences

#### JINR hosting international workshop on problems of mathematical physics

The Problems of Modern Mathematical Physics will run until 20 February at the Laboratory of Theoretical Physics at JINR. This event serves as a platform for the exchange of knowledge and ideas among theoretical physicists from the JINR Member States.

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### Media

#### People at JINR: women in big science

Researchers at the Laboratory of High Energy Physics at JINR – Vasilisa Lenivenko and Madalina Mihaela Miloi – will discuss the BM@N Collaboration and the SRC Experiment, along with their professional paths, hobbies, and life in Dubna.



[WATCH →](#)

#### Chinese New Year congratulations by JUNO Collaboration

On the eve of the Chinese New Year, scientists participating in the JUNO Project made a congratulatory music video about their work. Employees of the Laboratory of Nuclear Problems, Deputy Director Dmitry Naumov and researcher Denis Korabely, took part in preparing the video.

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#### Term of the Week

The JINR Telegram Channel shared another word that scientists use. This week's term is *magic numbers* – a term widely used by employees of the Laboratory of Nuclear Reactions.

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#### JINR at Science and Technology Festival

The festival took place on 15 February at the Dubna University, bringing together science enthusiasts of all ages. Many of the Institute's representatives participated in the event.



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#### Seminar recordings

We invite you to watch recordings of the seminars "New directions in oncoteranostics" by Sergey Deyev<sup>1</sup> and "Ultrafast variability of active galactic nuclei in the gamma range" by Maxim Barkov<sup>2</sup>.

[WATCH<sup>1</sup> →](#)

[WATCH<sup>2</sup> →](#)

#### Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper, #6, has been published. Please note that you can read an English version on the JINR Newspaper's website.

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### Sports

#### JINR Sports Games: ski races

This year's ongoing Sports Games are dedicated to the anniversary of the Institute's founding. The ski competitions took place on the same day as the city skiing championship, with the JINR team coming second. Congratulations to all athletes on their successful performances!



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#### Institute's employees at international competitions

From 6 to 16 February, the United Arab Emirates hosted the Open Masters Games in 38 sports. Among the winners in swimming and tennis were JINR athletes Irina Migulina, Svetlana Smirnova, and Inna Tikhomirova.

[READ MORE<sup>1</sup> →](#)

[READ MORE<sup>2</sup> →](#)

### Upcoming Events

#### Governing Bodies

- [19–20 February, 139th session of JINR Scientific Council, JINR, Dubna](#)

#### Ceremonies

- [20 February, 2025 OGANESSON Prize ceremony, Moscow, Russia](#)

#### Conferences

- [16–20 February, Problems of Modern Mathematical Physics \(PMMP'26\) international workshop, BLTP, JINR, Dubna](#)
- [19–20 February, Molecular and Materials Modeling 2026, winter online school](#)
- [22–26 February, International Workshop on Nuclear and Related Techniques \(NURT 2026\), Havana, Cuba](#)
- [24 February – 2 March, Analysis and Detector Meeting of the BM@N Experiment at NICA, Dombay, Russia](#)
- [25–26 February, NICA Days 2026, Havana, Cuba](#)

#### Seminars

- [19 February, 11:00 AM, DLNP, "Radioprotective properties and structure of Dsup protein of tardigrade Ramazzottius varieornatus" by Mikhail Zarubin](#)
- [19 February, 11:00 AM, VBLHEP, "Calibrations of the time-of-flight system in the SRC Experiment" by Angelina Bochkova, "Progress and prospects of development of silicon photomultipliers" by Ziraiddin Sadygov](#)
- [20 February, 11:00 AM, DLNP, "Selected topics of advanced machine learning in modern experimental physics" by Arsenii Gavrilov](#)
- [20 February, 11:00 AM, DLNP, Seminar in memory of Victor Sviridov](#)
- [20 February, 2:30 PM, BLTP, "Experimental study of photonuclear reactions by gamma-activation method" by Nadezhda Fursova](#)
- [25 February, 3:00 PM, MLIT, "Numerical simulation of laser ablation of materials using different thermal conduction models in semi-infinite and finite-thickness samples" by Murodi Haliljon Gafurzoda](#)

#### Culture

- [7 February – 7 March, JINR Universal Public Library, My Dubna exhibition](#)
- [10 February – 8 March, Daily from 1:00 to 7:00 PM \(except Monday\), JINR Mir Cultural Centre, Exhibition by JINR Artists' Club](#)
- [18 February, 7:00 PM, JINR Mir Cultural Centre, Dubna Symphony Orchestra concert](#)
- [19 February, 6:00 PM, JINR Universal Public Library, English speaking club](#)
- [19 February, 7:00 PM, JINR Universal Public Library, Hairpin book club](#)
- [20 February, 6:00 PM, JINR Universal Public Library, JINR Cinema Club](#)
- [20 February, 6:30 PM, JINR Universal Public Library, Lecture on China](#)
- [20 February, 7:00 PM, JINR Scientists' Club, Classical music concert](#)
- [21 February, 4:00 PM, JINR Universal Public Library, Concert dedicated to Defender of Fatherland Day](#)
- [22 February, 6:00 PM, JINR Mir Cultural Centre, Concert of Music Lessons series](#)

#### Sports

- [21 February, 10:30 AM, JINR Nauka Stadium, Table tennis tournament dedicated to Defender of Fatherland Day](#)

[ALL JINR EVENTS →](#)