

## JINR Newsletter #25, 10 July 2024

Dear colleagues and friends,

Several major events have recently taken place in the Institute's life. Shanghai hosted the second meeting of the JINR-China Joint Coordination Committee on Cooperation under the co-chairmanship of the Institute's Director Grigory Trubnikov and Vice Minister of Science and Technology of China Long Teng. The 6th meeting of the BRICS Working Group on Research Infrastructures was held at JINR.

In the latest issue of the JINR Newsletter you will also find articles about the work results of the JINR Infocentre at Far Eastern Federal University, scientific achievements of JINR, and much more.



### Breaking News

#### Second meeting of JINR-China Joint Coordination Committee took place in Shanghai

The event was held on 3 July, co-chaired by JINR Director Grigory Trubnikov and Vice Minister of Science and Technology of China Long Teng. The parties discussed cooperation prospects between JINR, the Russian Ministry of Science and Higher Education, and Chinese organizations in a wide variety of areas.



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#### JINR hosted 6th meeting of BRICS Working Group on Research Infrastructures

The event took place in Moscow and Dubna on 1-3 July. The issues of access to research infrastructures and the establishment of megascience projects in the BRICS+ countries were at the top of the agenda. As part of the meeting programme, the participants visited objects of the JINR research infrastructure.



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### JINR Information Centres

#### JINR and FEFU summarised interim cooperation results

Far Eastern Federal University (FEFU) hosted a meeting to discuss the results of the implementation of the quadripartite agreement signed in 2022. On the same day, JINR Scientific Leader, Academician of the Russian Academy of Sciences Victor Matveev was awarded the title of FEFU Honorary Doctor.

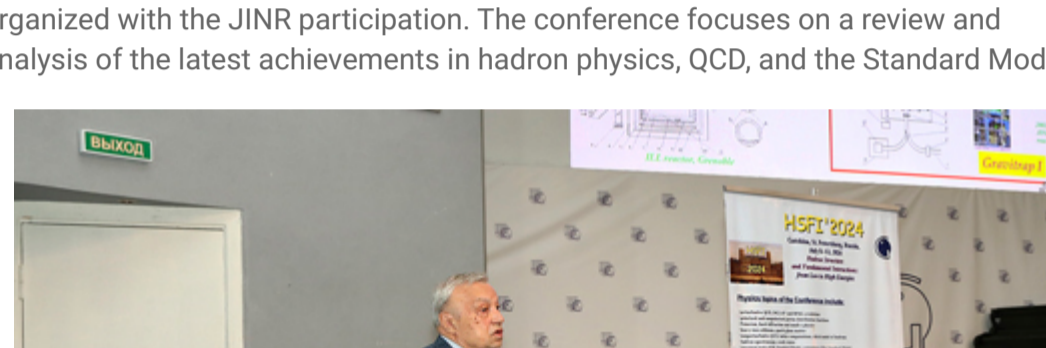


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### Conferences & Seminars

#### HSFI-2024 international hadron physics conference takes place in Gatchina

From 8 to 12 July, the Konstantinov Petersburg Nuclear Physics Institute is hosting the Hadron Structure and Fundamental Interactions Conference (HSFI-2024), organized with the JINR participation. The conference focuses on a review and analysis of the latest achievements in hadron physics, QCD, and the Standard Model.



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#### UC JINR held seminar on project-based learning for future teachers

From 5 to 17 July, the 36th International Computer School, organized by the JINR University Centre, is taking place at JINR. This year, the event was preceded by an educational seminar on project-based learning for 22 students from Russian universities. Read more about the seminar on the JINR website.

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#### 24th Baikal Summer School starts

Today, the International School on Elementary Particle Physics and Astrophysics started in Bolshye Koty village (Russia, Irkutsk Region). Undergraduate and postgraduate students from 10 countries will listen to lectures and present their reports, as well as engage in different social and sports activities during the week-long event.

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#### Neutrino-2024: review of main results

The largest international conference on neutrino physics took place in Milan from 16 to 22 June. The event presented current research results in the field and related scientific directions. Special attention was paid to the projects implemented as part of the JINR Neutrino Programme.

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### Publications

#### English version of brief overview of most important JINR results published

The publication provides a review of the development stages of the JINR infrastructure and main scientific projects. In addition, the achievements of the Joint Institute's employees honoured with prestigious scientific awards and prizes are presented.



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#### Gamma radiation-induced alterations in nanocrystalline titanium nitride particles

The article by a team of authors from the Joint Institute for Nuclear Research and scientific organizations of Azerbaijan was published in *Radiation Physics and Chemistry*. You can find more information about the study on the JINR website.

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### Books

#### New Book Acquisitions exhibition in S&T Library

The JINR Science and Technology Library invites everyone interested to study new book acquisitions: optics, etherodynamics, programming textbooks, popular science books, a brief overview of most important JINR results, and much more. The exhibition runs until 19 July.

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### Media

#### Nucleus-2024: video

From 1 to 5 July, the Laboratory of Theoretical Physics at JINR hosted the Nucleus International Conference on Nuclear Physics. Please enjoy a video about the event featuring BLTP Deputy Director Nikolai Antonenko.



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#### Video about past week JINR events

We offer you to watch a video review of highlights from the life of the Institute.

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#### JINR Weekly Newspaper issued

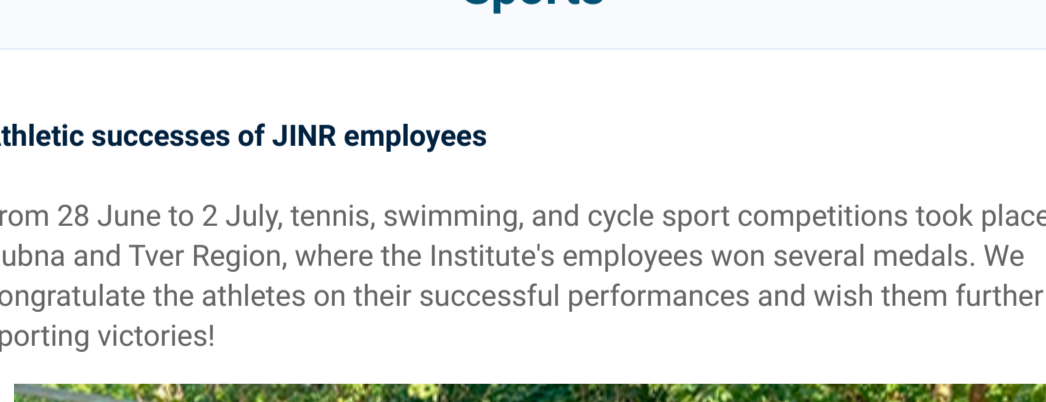
A new issue of the JINR Weekly Newspaper #26 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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### Sports

#### Athletic successes of JINR employees

From 28 June to 2 July, tennis, swimming, and cycle sport competitions took place in Dubna and Tver Region, where the Institute's employees won several medals. We congratulate the athletes on their successful performances and wish them further sporting victories!



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### Upcoming Events

#### Conferences

- [1 – 18 July, 36th Summer International Computer School \(CS-2024\), Dubna, Russia](#)
- [8 – 12 July, Scientific School for Physics Teachers at JINR, JINR, Dubna](#)
- [8 – 12 July, International Conference on Hadron Structure and Fundamental Interactions \(HSFI-2024\), Gatchina, Russia](#)
- [10 – 17 July, 24th International Scientific Baikal Summer School on Physics of Elementary Particles and Astrophysics, Bolshye Koty, Irkutsk Region, Russia](#)
- [15 – 19 July, International Conference "Modern Problems of Condensed Matter Theory", JINR, Dubna](#)

#### Seminars

- [11 July, 11:00 AM, VBLHEP, "Universal device for checking tightness of straw tubes" by Igor Boguslavsky](#)
- [11 July, 3:30 PM, FLNR, "MPD TPC status" by Sergey Movchan](#)
- [11 July, 4:00 PM, BLTP, "Precise accounting for the bound states' motion, the only missing part of Weinberg's chiral effective field theory" by Alexander Kvinikhidze](#)
- [12 July, 11:00 AM, BLTP, "Constraining particle physics models with gravitational waves from the early universe" by Dhruv Ringer](#)
- [12 July, 2:30 PM, BLTP, "Quantum theory of scalar and spinor fields in Schwarzschild spacetime" by Igor Volobuev](#)
- [16 July, 11:00 AM, MLIT, "Study of the dynamics of pp and AA interactions using the method of factorial moments for NICA and LHC energies" by Olga Kodolova](#)
- [17 July, 11:00 AM, DLNP, "Search for dibaryons with low excitation energy as first possible measurement at the SPD Facility" by Vladimir Kurbatov](#)

#### Culture

- [19 June – 14 July, Daily from 1:00 to 7:00 PM \(except Monday\), JINR Mir Cultural Centre, Exhibition of wood carving and painting](#)
- [16 July – 1 September, Daily from 1:00 to 7:00 PM \(except Monday\), JINR Mir Cultural Centre, Art exhibition](#)
- [12 July, 6:00 PM, JINR Scientists' Club, JINR Cinema Club](#)
- [13 July, Trip to the Novaya Opera Theatre](#)

[ALL JINR EVENTS →](#)