



## JINR Newsletter #22, 10 June 2026

Dear colleagues and friends,

A workshop took place in Ulaanbaatar marking the 70th anniversary of Mongolia as a JINR Member State. Participants discussed the relativistic nuclear physics research of the Joint Institute. Cooperation development prospects were discussed, aimed at conducting experiments at the forefront of science as part of the NICA Project.

The results of a plenary session in Kazakhstan as part of JINR Days were summarised. Topping the agenda of were cooperation results, research infrastructure development, and highly qualified personnel training.

An agreement was signed at the closing ceremony of the 29th JEMS Internship to establish a new JINR Information Centre at Samara University. Read about this and much more in the latest JINR Newsletter.

JINR Press Office



### Cooperation

#### Results of relativistic nuclear physics studies discussed in Mongolia

Ulaanbaatar hosted a workshop on the relativistic nuclear physics research of the Laboratory of High Energy Physics at JINR. The event was dedicated to the 70th anniversary of Mongolia as a JINR Member State.



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#### JINR hosted 29th JEMS internship for science managers

The five-day international JEMS internship gathered representatives of scientific and educational organizations from Vietnam, Kazakhstan, Russia, and South Africa. An agreement was signed at the closing ceremony to establish a new JINR Information Centre at Samara University.

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#### JINR Days in Kazakhstan: results of plenary session in Astana

The session was the key event of the JINR Days in the Republic of Kazakhstan. The participants represented relevant government agencies, international organizations, leading universities, and the academic community. The main topics were the results of the long-standing partnership, research infrastructure development, and the prospects for training highly qualified personnel.



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### Research

#### JINR scientists participated in first observation of $B_c^{*+}$ meson

The ATLAS Collaboration at the Large Hadron Collider in CERN announced the discovery of a new particle, the vector  $B_c^{*+}$  meson, a new excited state containing a charm quark and a beauty antiquark. DLNP and MLIT employees made a significant contribution to the analysis of experimental data.

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### Books

#### New Book Acquisitions exhibition held at S&T Library

Until 3 July, the JINR Science and Technology Library invites visitors to the New Book Acquisitions exhibition featuring physics textbooks and popular science books, as well as publications about important scientific milestones and outstanding researchers.

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### Anniversaries

#### Laboratory of Theoretical Physics at JINR celebrated 70th jubilee

A seminar dedicated to the anniversary took place on 5 June. Representatives of all JINR laboratories as well as the Directorate congratulated the theoreticians on the milestone and discussed BLTP's studies.



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#### Honouring 85th anniversary of birth of first UC JINR Director

Thirty-five years have passed since the establishment of the University Centre – an initiative passionately supported by Svetlana Ivanova. Her legacy also includes various internships and international events, as well as the creation of JINR's postgraduate programme. A seminar commemorating the first UC Director will take place on 16 June.

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### Publications

#### Review of Particles & Nuclei, Letters journal #3 2026

The JINR Publishing Department has issued the third part of this year's volume of the "Physics of Elementary Particles and Atomic Nuclei, Letters" journal that includes articles on theoretical, experimental, technical, methodical, and applied research.

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### Announcements

#### Anniversary Lipnya 2026 summer school invites applications

This year's Summer School for Young Scientists and Specialists will take place from 17 to 19 July. Young JINR researchers and specialists, students, as well as employees of R&D organizations of Dubna and other cities under 36 are invited to apply via the link until 21 June.



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#### Guided tour by curator of The ArteFacts of Francisco Infante exhibition

The tour will take place on 24 June, at 18:15. The guide will be art historian, Veretevo Art Director Irina Gorlova, who has been a key figure in contemporary Russian art for many years.

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#### Quantum field theory from A to Z

On 11 June, at 10:00, sales will start of a new edition of the textbook by Deputy Director of the Laboratory of Nuclear Problems at JINR, Head of the JINR Neutrino Programme Dmitry Naumov. Read more about the book in the cards in our Telegram channel.

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### Media

#### Alushta scientific conference started

The participants of this year's conference of young scientists and specialists represent Bolivia, Egypt, India, Kazakhstan, Russia, South Africa, and Uzbekistan. The opening ceremony featured a talk about the JINR Dubna Resort Hotel and a networking game.



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#### Podcast 42 now in VK

The new episode of the podcast with an employee of the Laboratory of Neutron Physics at JINR Bulat Bakirov is now available in VK. Click the link and watch the video to learn how a neutron tomography station works, how physics helps archaeologists, and much more.

[WATCH →](#)

#### A day in JINR history

The JINR Telegram channel shared another archival photo of the Institute. Take a look at Director of the Laboratory of Nuclear Reactions at JINR Georgy Flerov sharing FLNR's scientific achievements with GANIL Accelerator Complex Director Claude Détraz. The photo was taken by Yuri Tumanov in June 1984.



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#### Space Research Day in Kadyshesky Lyceum

The event was organized in cooperation with the JINR University Centre. Highschoolers and students participated in hands-on classes, workshops, and a quiz at the Physics and Mathematics Lyceum.

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#### Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper, #23, has been published. Please note that you can read an English version on the JINR Newspaper's website.

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### Sports

#### JINR achievements in swimming

On 6 June, the SwimCup competition took place near Sergiyev Posad, Russia. An Archimedes Swimming Pool coach Maria Alikina won the 1 km event among women. Congratulations!

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### Upcoming Events

#### Advisory Bodies

- [15–16 June, 64th meeting of Programme Advisory Committee for Particle Physics, JINR, Dubna](#)

#### Conferences

- [7–14 June, 15th Conference of Young Scientists and Specialists \(Alushta, 2026\), Dubna Resort Hotel, Alushta](#)
- [15–19 June, International Conference on Condensed Matter Research at IBR-2 Reactor in memory of Y. Ostanevich, JINR, Dubna](#)

#### Seminars

- [11 June, 11:00, VBLHEP, Detector Technologies seminar](#)
- [11 June, 15:00, BLTP, "Quantum effects in some modified gravity theories" by Andrei Nikitenko](#)
- [15 June, 11:00, FLNP, "Determination of impurity content in some industrial products using neutron beam transmission" by Pavel Sedyshey](#)
- [16 June, 11:00, DLNP, "Indian Neutrino Programmes and future plan" by Gobinda Majumder](#)
- [16 June, JINR, Seminar in memory of first JINR University Centre Director Svetlana Ivanova](#)
- [17 June, 11:00, DLNP, "Precision inclinometers based on position-sensitive methods for recording laser beam displacement" by Alexey Krasnoperov](#)
- [17 June, 15:00, MLIT, "Principles of maintainable scientific software: evolution of the Baikal-GVD Neutrino Telescope software infrastructure" by Alexey Soloviyev](#)

#### Culture

- [20 May – 25 June, JINR Scientists' Club, "Bulgaria – motherland of Cyrillic alphabet" exhibition](#)
- [JINR Universal Public Library, Exhibition by JINR Artists' Club](#)
- [4 June, 18:00, JINR Scientists' Club, Meridian of Interaction lecture series, Lecture 4](#)
- [4 June, 19:00, JINR Universal Public Library, English speaking club](#)
- [4 June, 19:00, JINR Universal Public Library, Summer Reading List book club](#)
- [5 June, 18:00, JINR Universal Public Library, Jazz evening in Blokhintsev Library](#)
- [9 June, 18:00, JINR Scientists' Club, JINR Film Union](#)
- [10 June, 19:00, JINR Mir Cultural Centre, Dubna Symphony Orchestra concert](#)

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