

JINR Newsletter #39, 7 October 2026

Dear colleagues and friends,

As part of the JINR Days in Armenia, a roundtable discussion titled "Artificial intelligence in science and industry: opportunities and challenges" took place at the National Academy of Sciences of Armenia. Experts exchanged views on the impact of AI on scientific discoveries and their industrial applications as well as the new opportunities opened up by the technology.

An international research centre uniting scientists from various countries, the Institute continues promoting international cooperation: recently, JINR signed an Addendum to the Memorandum of Understanding with the Institute of Modern Physics of the Chinese Academy of Sciences. The parties will work together to conduct joint prompt fission neutron measurements and develop specialised high-precision detector systems.

Read about the ongoing Congress on Radiation Research, a meeting of the Advisory Board of the Natural Science Review journal published by the Institute, registration for the JINR Postdoctoral Programme and a condensed matter research conference, and much more in the latest JINR Newsletter.

JINR Press Office



Cooperation

Opportunities and challenges of artificial intelligence discussed at JINR Days in Armenia

A key event of the JINR Days in Armenia took place on 29 September. Invited experts from the academic community, research institutes, the IT sector, and industry participated in a roundtable discussion on AI at the Republic's National Academy of Sciences.



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JINR and IMP CAS expanding cooperation in prompt fission neutron research

In September, JINR and the Institute of Modern Physics of the Chinese Academy of Sciences signed an Addendum to the Memorandum of Understanding. The new document provides for joint prompt fission neutron measurements and the development of specialised high-precision detector systems.

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Conferences

Ninth Congress on Radiation Research started at JINR

Held from 5 to 9 October and organized with the participation of the Joint Institute, the event discusses radiobiology, radioecology, and radiation safety. Over 400 scientists from 11 countries, representing 108 research centres, are taking part in the congress.



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Second meeting of Natural Science Review Advisory Board took place

The meeting of the International Scientific Advisory Board of the Natural Science Review journal published by JINR took place on 25 September alongside the Scientific Council session. The event was dedicated to reviewing the journal's progress and proposals regarding its improvement.

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Books

JINR S&T Library hosting New Book Acquisitions exhibition

Until 23 October, the Science and Technology Library invites visitors to an exhibition featuring a wide variety of new items – from textbooks and collections of articles to poetry, art, and an English edition of a book dedicated to Fedor Shapiro.



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JINR Social

Dubna got introduced to culture of Land of Rising Sun

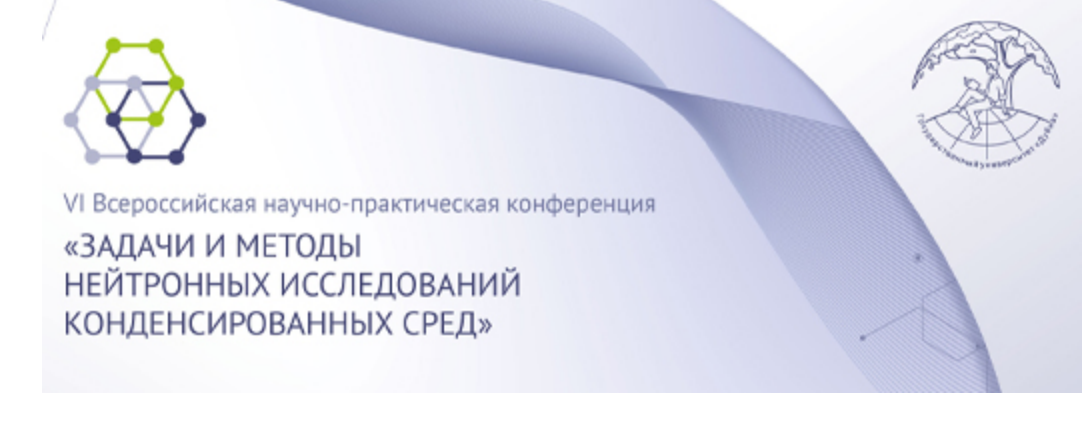
The Mir Centre hosted an event entitled "The beauty of Japan: stillness and movement", organized with JINR's participation. Such cultural exchange is an important part of the Institute's international work, fostering an environment of open dialogue and respect for traditions in Dubna.

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Announcements

Applications invited for condensed matter research conference

The "Tasks and methods of neutron research of condensed matter" conference will take place on 23–26 November in a hybrid format at Dubna University. The Joint Institute is among the event's organizers. Registration is available via the link until 5 November.



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Autumn call for JINR Postdoctoral Programme opened

The international contest provides an opportunity for talented young scientists to participate in the Institute's research projects, work with leading experts, and gain access to unique infrastructure and advanced equipment. Applications are invited until 30 October.

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BLTP JINR Director to read lecture at scientific festival

What are the laws of the Universe? What is our world made up of? What forces ensure its stability? Eminent theoretical physicist Dmitry Kazakov will answer these and other questions on 11 October, at 12:15, at the Nauka 0+ festival.

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Media

Video from 140th Scientific Council session

In the video, JINR Director Grigory Trubnikov talks about the Institute's applied research programme, international cooperation, and human resource development. Scientific Council Co-chair Trần Chí Thành (Vietnam) and Council member Raghunath Sahoo (India) share their views on JINR: the scale of its research and technological capabilities.



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Francis Halzen honoured with 2026 Nobel Prize in Physics

Francis Halzen (University of Wisconsin–Madison, USA) received the prize "for decisive contributions to the IceCube Neutrino Observatory and the discovery of high-energy neutrinos of astrophysical origin". In 2018, the eminent scientist won the Bruno Pontecorvo Prize as well.

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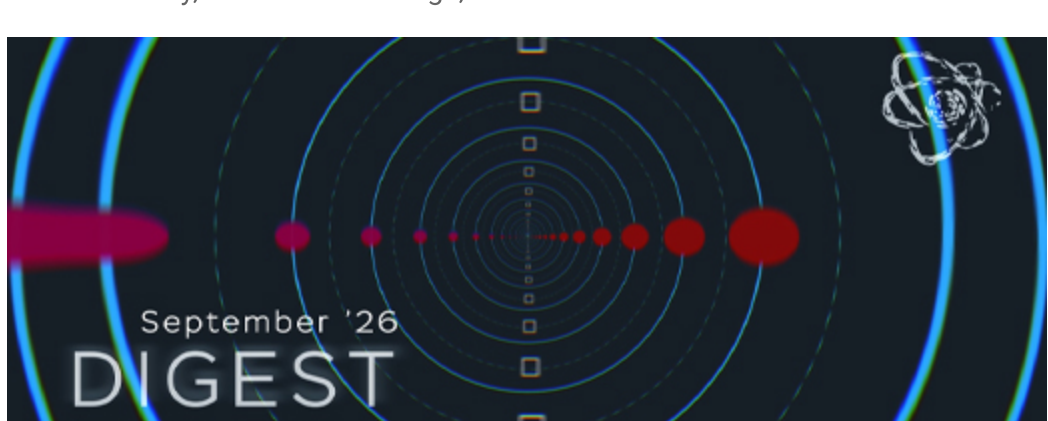
AYSS JINR at theoretical physics conferences

Young BLTP JINR employees participated in two international conferences: the Workshop on the Standard Model and Beyond (Greece) and the International Conference on the Exact Renormalisation Group (UK). The members of the Association of Young Scientists and Specialists presented their research results in the general renormalisation group.

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AYSS event digest

AYSS has published the event digest for September with details about the Association's representatives at conferences and festivals, a photo exhibition at Dubna University, visits and meetings, and much more.



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Seminar recording

We invite you to watch a recording of the talk "The programme of research of rare processes with large p_T at the Nuclotron" by Georgy Sharkov.

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AYSS JINR in Russia's first science city

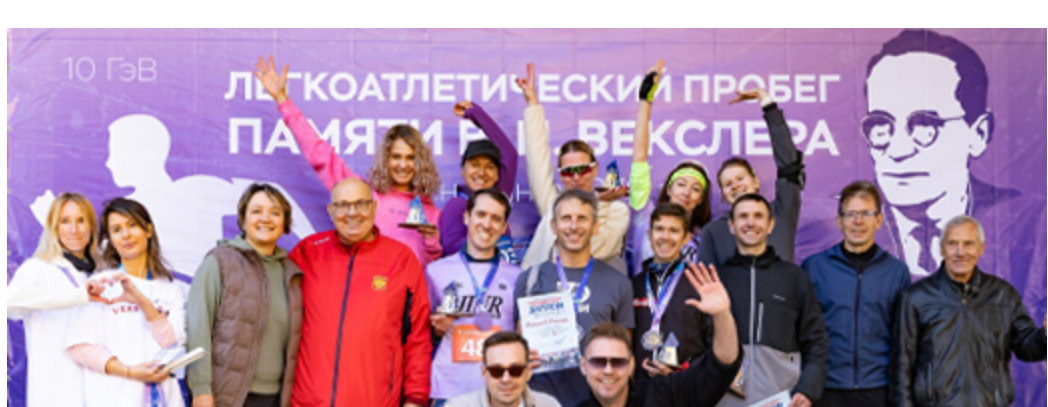
AYSS representatives toured the Rosatom Technical Academy and the world's first nuclear power plant in Obninsk. During the trip, the Association members discussed cooperation with the Obninsk Council of Young Scientists and Specialists and the Leipunsky Institute of Physics and Power Engineering.

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Sports

57th track and field run in memory of Academician Veksler

The annual run took place on 4 October with the participation of 42 representatives of the Joint Institute. In the JINR Sports VK group, you can view the results and browse pictures taken by JINR photographer Elena Puzynina.



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Weightlifting tournament dedicated to Yuri Masloboev

On 3 October, the JINR Sports Club hosted the 23rd weightlifting tournament in memory of Honoured Coach of Russia, Master of Sports of USSR Yuri Masloboev. The event brought together the strongest athletes from seven cities of the Moscow Region.

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JINR achievements in athletics

Congratulations to LRB research intern Sofya Sakharova on her successful performance in recent sporting events! At the Moscow Marathon, one of Russia's largest running events, Sofya successfully completed the 10 km race. In addition, she came third in her age category at the city athletics championships.

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Upcoming Events

Conferences & Meetings

- **6–9 October**. [9th congress on radiation research \(radiobiology, radioecology, radiation safety\)](#). JINR, Dubna

Seminars & Workshops

- **8 October**. 9:30. [FLNR Workshop "Radionuclides and radiopharmaceuticals: from production to clinical practice"](#)
- **8 October**. 11:00. [VBLHEP: "Performance and radiation damage of the heavy-ion silicon beam tracker in the BM@N Experiment"](#) by Daniil Chernozov and "CVD detectors for the monitoring of extracted heavy ion beams from the Nuclotron" by Aleksei Sheremetev
- **9 October**. 11:30. [VBLHEP: "The factor of nuclear modification of inclusive charged particles in Au+Au collisions at \$\sqrt{s_{NN}}=19.6\$ and 27.5 GeV in the STAR Experiment"](#) by Alisher Aitbayev
- **14 October**. 11:00. [Online on Zoom: "Study of \$B_c^+ \rightarrow J/\psi D_s^0\$ decays and \$B_c^+ \rightarrow\$ meson at ATLAS Experiment at Large Hadron Collider"](#) by Tatiana Lyubushkina

Culture

- **12 September – 12 October**. [JINR Universal Public Library. Creativity as Pleasure exhibition](#)
- **17 September – 14 October**. [JINR Mir Cultural Centre. LCIA Impulse Epoch exhibition](#)
- **22 September – 23 October**. [JINR Scientists' Club. Painting exhibition](#)
- **8 October**. 18:00. [JINR Universal Public Library. English speaking club](#)
- **8 October**. 19:00. [JINR Universal Public Library. Summer Reading List book club](#)
- **9 October**. 19:00. [JINR Scientists' Club. Classical music concert](#)
- **10 October**. 16:00. [JINR Universal Public Library. Hairpin book club](#)

[ALL JINR EVENTS →](#)