

JINR Newsletter #47, 11 December 2024

Dear colleagues and friends,

A meeting of the JINR Science and Technology Council took place. The key items on the agenda were the development of higher education in Dubna and the attraction of highly qualified scientific personnel to JINR.

The Institute is strengthening ties with long-time partners. A JINR Information Centre opened at the Themba LABS Accelerator Centre in South Africa. A delegation of the Embassy of the People's Republic of China in Russia visited JINR to discuss prospects of joint activities.

In the new issue of the JINR Newsletter, you can also read about the JINR environmental research, a school for Belarus teachers, the achievements of young employees of the Institute, and much more!



Governing Bodies

JINR STC discussed developing higher education in Dubna and attracting scientific personnel

On 29 November, a meeting of the JINR Science and Technology Council took place at the Institute. STC members discussed current JINR activities, learned about the development of Dubna State University and the JINR University Centre, and considered the issues of attracting highly qualified scientific personnel to the Institute.

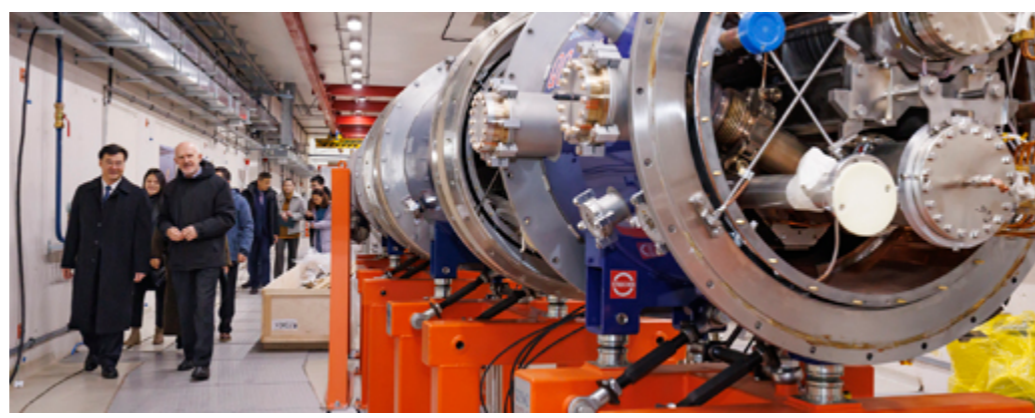


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Cooperation

JINR-China partnership: working towards new achievements

On 4 December, a delegation from the Embassy of the People's Republic of China in Russia visited JINR. During the meeting, the parties discussed the prospects for the cooperation development in fundamental studies, implementation of new joint projects, and expansion of research opportunities.



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Infocentres

JINR Information Centre opened at iThemba LABS

On 9 December 2024, South Africa and JINR took a step closer in their cooperation. The new unit will contribute to the further development and implementation of training programmes as part of joint projects and the creation of new tools for attracting young people to science.



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Conferences

Specifics of working with data in physical experiments discussed in MIPT

On 2–4 December, JINR took part in holding the 2nd scientific school and seminar on new methods for processing data of physical experiments at the Moscow Institute of Physics and Technology. The participants, including Joint Institute researchers, discussed new approaches to processing big data in projects such as the LHC and NICA.

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Research

FLNP JINR to take part in Arctic environmental studies

On 26–28 November, the 13th scientific and practical conference entitled "Obdoria: Arctic and Subarctic ecosystems under conditions of climatic and social transformations" took place in Labytnangi, Russia. Head of the FLNP JINR Sector of Neutron Activation Analysis and Applied Research Inga Zinivovskaia participated in the event.



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Education

JINR UC holds first school for Belarus teachers

The school took place from 2 to 6 December at the JINR University Centre. Physics teachers from 15 Belarusian cities got acquainted with research and facilities at the forefront of science. In addition, they acquired new theoretical knowledge and practical skills for in-depth teaching of their subject.

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Books

New Book Acquisitions exhibition in S&T Library

On 3–26 December, the JINR Science and Technology Library is hosting the Fizmatlit Publishing House exhibition. Visitors will find about 90 scientific monographs, textbooks, and collections in various fields of physics, astrophysics, and mathematics.

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Media

"Modern China development path" lecture

On 13 December, at 4:00 PM, the author of the China in the Age of Xi Jinping book Ivan Zuenko (MGIMO University) will discuss the main features of the modern China and its further development prospects at the JINR Scientists' Club.



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MLIT senior researcher awarded for best talk

On 25-29 November, the 2nd All-Russian School and Seminar for Students and Young Scientists took place at the National Centre for Physics and Mathematics in Sarov, Russia. An MLIT employee Konstantin Chizhov was awarded for the event's best presentation.

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A day in JINR life

On 6 December, the JINR Telegram channel published a post with an archive photograph of Evgeny Titov replacing dosimeters monitoring radioactivity near the IBR-2 Reactor taken exactly 40 years ago, on 6 December 1984. Please enjoy the photo and some facts about the JINR Senior Technician.



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Seminar recording

We invite you to watch a recording of the seminar "Relativistic nuclear physics at the VBLHEP accelerator complex" by Anton Baldin.

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Upcoming Events

Conferences

- [9 – 13 December. 2nd International African Symposium on Exotic Nuclei \(IASEN-2024\). Gordon's Bay, South Africa](#)
- [14 December. Conference marking 75 years of the Laboratory of Nuclear Problems. JINR Mir Cultural Centre, Dubna](#)
- [16 - 18 December. Radiation Physics of Solid State. Session of the Physics Department of the Russian Academy of Sciences. FLNR JINR, Dubna \(hybrid format\)](#)

Seminars

- [12 December, 11:00 AM, BLTP. "Anomalous cusp dimension in OCD lecture series. Part 3" by Andrey Grozin](#)
- [13 December, 11:00 AM, BLTP. "Strong coupling constant from fits of DIS data with large x resummation" by Anatoly Kotikov](#)
- [13 December, 11:00 AM, FLNP. "Thermophysical aspects of the IBR-2M power feedback" by Maxim Podlesnyy](#)
- [13 December, 11:30 AM, VBLHEP. "A new SRC measurement with polarised deuteron beam: preparation status" by Maria Patsyuk](#)
- [13 December, 2:30 PM, BLTP. "Toroidal electric dipole mode in the spherical ⁵⁸Ni nucleus" by Petr Vishnjevskiy](#)
- [13 December, 3:00 PM, FLNP. "Nanophotonic crystals in different applications" by Arafat Aly](#)
- [16 December, 11:00 AM, BLTP Journal Club. "A supersolid body with whirling quantum tornadoes" by Chitta Ranjan Das](#)
- [17 December, 3:00 PM, MLIT. "Modelling processes of interaction of nanoclusters and accelerated ions with metals based on development of continuum-atomistic approach" by Zafar Tukhlev](#)

Culture

- [28 November – 22 December. Daily from 1:00 to 7:00 PM \(except Monday\). JINR Mir Cultural Centre. Exhibition dedicated to 75th DLNP anniversary](#)
- [12 December, 6:00 PM. JINR Universal Public Library. JINR Cinema Club](#)
- [12 December, 7:00 PM. JINR Universal Public Library. Hairpin book club](#)
- [13 December, 4:00 PM. JINR Scientists' Club. "Modern China development path" lecture](#)
- [13 December, 6:00 PM. JINR Universal Public Library. English speaking club](#)
- [13 December, 6:30 PM. JINR Universal Public Library. Scrapbooking club's meeting](#)
- [14 December, 12:00 PM. JINR Universal Public Library. New Year market](#)
- [17 December, 7:00 PM. JINR Universal Public Library. Genealogical club's meeting](#)

For Kids

- [14 December, 5:00 PM. JINR Universal Public Library. "Let's READers"](#)

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