

## JINR Newsletter #18, 15 May 2024

Dear colleagues and friends,

This week, JINR has organized several important events: the anniversary meeting of the RAS Council on Heavy Ion Physics, the 12th Collaboration Meeting of the BM@N Experiment at NICA, and the first FLNP JINR–CSNS (China) Workshop on Neutron Scattering Technologies.

In addition to active scientific and technical cooperation, another highlight of the Institute's life was the awarding of the prestigious Academician Georgy Flerov JINR Prize to four laureates.

Videos about key events at the Institute, presentations of the AYSS Council members, and a wide range of JINR scientific and cultural events are in the latest issue of the JINR Newsletter.

JINR Press Office



## Conferences

### Anniversary meeting of RAS Council on Heavy Ion Physics opens

The 10th meeting of the RAS Council on Heavy Ion Physics, organized by JINR and the Institute of Applied Physics of RAS, is taking place this week. The participants are considering ways to solve nuclear physics problems, discussing research results and prospects, as well as plans for the implementation of major scientific projects.



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### JINR-China workshop on neutron scattering technology finishes in Dubna

On 13–15 May, JINR hosted the first FLNP JINR–CSNS (China) Workshop on Neutron Scattering Technology and Multidisciplinary Research. Participants presented reports and went on excursions to the laboratories of the Joint Institute. In addition, the signing of the FLNP JINR–CSNS Memorandum of Understanding took place.

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## JINR Flagship Projects

### 12th Collaboration Meeting of BM@N Experiment at NICA starts in Almaty

The event is taking place from 13 to 17 May at Satbayev University (Kazakhstan, Almaty) in a hybrid format. The participants are discussing the results of the research work of the collaboration and further plans for the development of the BM@N Project.

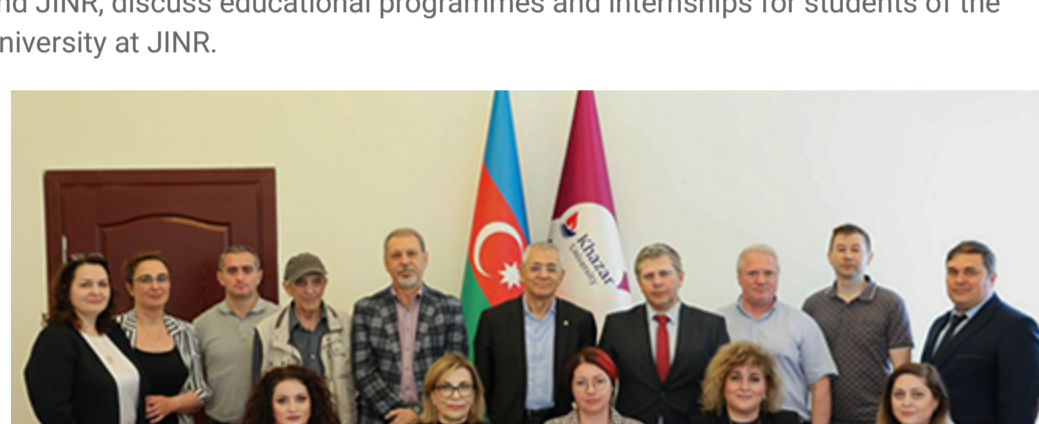


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## Cooperation

### JINR at Khazar University in Azerbaijan

From 29 April to 3 May, DLNP JINR employees visited Khazar University with a series of lectures on modern nuclear physics and its applications. In addition to holding lectures, the purpose of the visit was to strengthen ties between Khazar University and JINR, discuss educational programmes and internships for students of the University at JINR.



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## Awards

### Laureates of Georgy Flerov Prize awarded

The official ceremony was held at the meeting of the RAS Council on Heavy Ion Physics, which is taking place in Nizhny Novgorod on 14–17 May. For outstanding work in nuclear physics and nuclear chemistry, awards were presented to Radly I. Ilkaev, Evgeny D. Donets, Evgeny E. Donets, and Zhao Hongwei.



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## Announcements

### RSF announces competition for small research groups

The Russian Science Foundation will support a scientific team (2–4 people) engaged in fundamental and exploratory research with a grant of up to 1.5 million roubles annually. You can apply until 5:00 PM (MSK) on 14 June. Read more information [via the link](#).

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### Registration for Nuclear Science and Technology Forum continues

The 5th International Scientific Forum "Nuclear Science and Technology" will take place on 7–11 October in Almaty, Kazakhstan. You can register until 10:00 PM (MSK) on 30 June. Please visit the official [website](#) of the event to register.

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## Media

### First JINR-China workshop on neutron scattering technology

On 13–15 May, JINR hosted the first FLNP JINR–CSNS (China) Workshop on Neutron Scattering Technology and Multidisciplinary Research. Please watch a video about the event with interviews of FLNP JINR Director Egor Lychagin and CSNS Deputy Director Liang Tianjiao.



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### Meet AYSS Council members

In the beginning of April, the Telegram channel of the Association of Young Scientists and Specialists of JINR launched a series of posts introducing the subscribers to the AYSS Council members. We invite you to follow the #AYSSCouncil hashtag to learn a lot of interesting facts about the Association's team.

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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 #16–17 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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## Upcoming Events

### Conferences

- [13 – 17 May, 12th Collaboration Meeting of the BM@N Experiment at the NICA Facility, Almaty, Kazakhstan](#)
- [13 – 18 May, RAS Council on Physics of Heavy Ions, Nizhny Novgorod, Russia](#)
- [17 May, NICA Days 2024, Almaty, Kazakhstan](#)
- [19 May – 18 June, Internship for young scientists and specialists from the CIS countries, JINR, Dubna](#)
- [20 – 24 May, 7th SPD Collaboration Meeting, Almaty, Kazakhstan](#)
- [20 – 24 May, 22nd International Seminar on High Energy Physics "Quarks-2024", Yaroslavl Region, Russia](#)

### Seminars

- [16 May, 11:00 AM, MLIT, "Is there diffraction dissociation for the nuclear nucleons in nucleus-nucleus interactions" by Vladimir Uzhinsky, "Towards understanding of K<sup>0</sup> meson production in hadronic interactions" by Aida Galoyan, "Microscopic analysis of elastic scattering and transfer reaction in the collision at energy 58 MeV" by Elena Zemlyanova, "Target dependence of the isotope distributions in heavy-ion reactions at Fermi energies" by Tatiana Mikhaylova](#)
- [16 May, 12:00 PM, UC, "Neural networks for physics" online lecture by Bulat Bakirov](#)
- [16 May, 2:30 PM, BLTP, "Fermions, boundaries, and anomalies" by Sergey Solodukhin](#)
- [16 May, 3:00 PM, FLNP, "Preliminary calculations for the IIR-4 Pulsed Reactor, Optimization of the neutron flux" by Yuri Pepelyshev](#)
- [16 May, 4:00 PM, BLTP, "A study of Higgs Boson decay channel H → WW\(\\*\) → 4ν in the ATLAS Experiment" by Alexander Gavriluk, "A study of standard model Higgs Boson in VBF production mode in the H → WW\\* → 4ν decay in the ATLAS Experiment" by Ekaterina Ramakoti](#)
- [17 May, 11:00 AM, FLNP, "Solid-state neutron detectors based on hexagonal boron nitride - state of art and perspectives" by Igor Kreslo](#)
- [17 May, 2:30 PM, BLTP, "Investigation of 1,4- first excited states of even-even nuclei" by Rostislav Jolos, Elena Kolganova](#)
- [21 May, 3:00 PM, MLIT, "Distributed Heterogeneous Computing Infrastructure for NICA Data Processing" by Igor Pelevanyuk](#)
- [22 May, 11:00 AM, FLNP, "Exploring the role of nuclear structure effects in photofission mechanism of <sup>237</sup>Np" by Mehdi N. Nasrabadi](#)

### Culture

- [23 April - 19 May, Daily from 1:00 to 7:00 PM \(except Monday\), JINR Cultural Centre "Mir", Fine arts exhibition](#)
- [22 May - 16 June, Daily from 1:00 to 7:00 PM \(except Monday\), JINR Cultural Centre "Mir", Exhibition of watercolour illustrations](#)
- [16 May, 7:00 PM, JINR Universal Public Library, Hairpin book club](#)
- [17 May, 11:00 AM, DLNP, "Lifehacks of some use for scientist" DLNP project, Goal setting and planning, Lecture 6](#)
- [17 May, 4:30 PM, JINR Scientists' Club, "Future architecture of the international legal order" lecture](#)
- [18 May, 4:00 PM, JINR Universal Public Library, Meeting with writers Andrey Zhvalevsky and Evgenia Pasternak](#)
- [21 May, 7:00 PM, JINR Universal Public Library, Genealogical club's meeting](#)
- [22 May, 7:00 PM, JINR Cultural Centre "Mir", Concert by Moscow Festival Symphony Orchestra](#)

### For Kids

- [17 May, 5:30 PM, JINR Universal Public Library, "Times and epochs" children's history project](#)
- [18 May, 2:30 PM, JINR Universal Public Library, Children's research project "Archimedes Pear"](#)
- [18 May, 5:00 PM, JINR Universal Public Library, "Let's READers"](#)
- [18 May, 6:00 PM, JINR Universal Public Library, Meeting of the book and discussing club for teenagers](#)

[ALL JINR EVENTS →](#)