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### Happy birthday, JINR!

Director's congratulations on JINR Foundation Day

On 26 March, we celebrate the Foundation Day of the Joint Institute for Nuclear Research. This is a special day for every employee of the Institute. JINR Director Grigory Trubnikov congratulated the staff of the Institute on this wonderful day.



### Programme of events dedicated to JINR Foundation Day

Please join the celebration of the JINR Foundation Day. There you will find many interesting events: a photo exhibition "Big Science", a family concert by JINR employees and Children's Music School students, a family quest along the streets named after scientists, a concert "Musica Universalis: Art and Science", and much more!

Photo exhibition "Big science" →

### Family concert →

Family quest 🔿

Concert "Musica universalis: Art and Science"  $\Rightarrow$ 

### New literature exhibition

The Science and Technology Library of JINR invites everyone interested to the literature exhibition dedicated to the JINR Foundation Day and the 110th anniversary of Academician G. N. Flerov. You can get acquainted with new literature about JINR, history and prospects of development of the Institute, as well as literature about G. N. Flerov.

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### **Governing bodies**

### Meeting of JINR Finance Committee

On 22 March 2023, at the International Conference Centre, on the eve of the session of the JINR Committee of Plenipotentiary Representatives, a regular meeting of the JINR Finance Committee took place in a mixed format.



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### Session of Committee of Plenipotentiary Representatives

On 24 March, a regular session of the Committee of Plenipotentiaries of the Governments of the JINR Member States will start at the JINR International Conference Centre in a mixed format. On 25 March, a general discussion and decision-making by CP JINR will conclude the session. **READ MORE** →

Research

#### New darmstadtium isotope at SHE Factory

The previously unknown darmstadtium-275 isotope was synthesised at the FLNR JINR Superheavy Element Factory. A new superheavy element was born as a result of the calcium-48 and thorium-232 interaction. The half-life of <sup>275</sup>Ds was 62 microseconds.



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# FLNP JINR and NUST MISIS started research of biocompatible polymer materials

At the Xeuss 3.0 Facility, researchers are analysing the properties of carbon composite materials in an attempt to improve their biocompatibility. This class of polymers is widely used in bioengineering, implantology, and surgery. The "Luch" collaboration at the X-ray scattering station for the study of polymers of a complex structure started in February 2023.

### READ MORE →

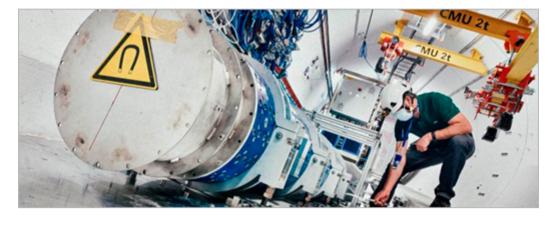
Catalogue of ATLAS Experiment events created at CERN with participation of JINR scientists

An international group of scientists including JINR specialists created the EventIndex system, a catalogue of all the events collected, processed, or generated by the ATLAS Experiment at the CERN LHC accelerator. Find more information about the EventIndex in the article.

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### FASER Experiment detected new neutrinos at collider at CERN

For the first time, the FASER Experiment has detected neutrinos obtained at the collider at CERN. JINR scientists are taking an active part in the experiment. The achievement will expand the understanding of the nature of neutrinos. In addition, it will help to shed light on cosmic neutrinos, which open up opportunities in the study of distant parts of the cosmos.



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### **JINR Community**

### Results of 2022 sociological survey

The results of a sociological survey among almost 600 JINR employees have been summed up. The survey was carried out in December 2022. In a number of areas, respondents have noted an improvement in the situation compared to 2021. In general, despite the difficulties, more than half of respondents assess the work at JINR as prestigious. **READ MORE** →

### JINR Grants for Dubna teachers!

12 Dubna schoolteachers won the annual competition for grants of the Joint Institute for Nuclear Research. Review the list of the winners.



### READ MORE →

### Female Face of Science

In honour of the International Day of Women and Girls in Science, the Laboratory of Nuclear Problems JINR prepared a series of publications about female researchers working at the Laboratory. The following articles are about a DLNP researcher Liudmila Kolupaeva and Head of the Sector Elena Kravchenko.

READ about Liudmila Kolupaeva →

### READ about Elena Kravchenko →

### Konversationsklub Deutsch by AYSS JINR continues its work

Learning languages is fun, interesting and useful! Members of the Konversationsklub Deutsch know this for sure. Please come to the meetings of the German Speaking Club to communicate and have a good time, as well as to broaden your knowledge. Meetings take place every Monday, at 6:30 PM, at the JINR Scientists' Club.

### READ MORE →

### JINR Cinema Club

This Friday, on 24 March, at 5:30 PM, you can enjoy watching an interesting film "Devils on the Door Step" (2000). All are kindly invited! Please note that the JINR Cinema Club will be held in the JINR Universal Public Library.



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### Announcements

Start of new series of Rubakov Summer Schools on Theoretical Particle Physics and Cosmology

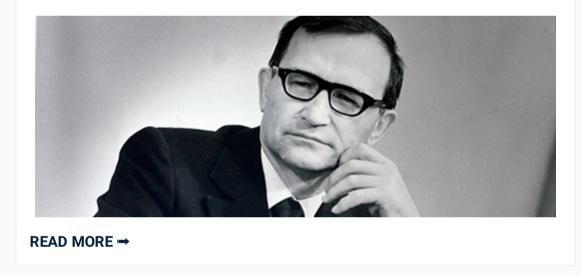
A new series of Summer Schools on Theoretical Particle Physics and Cosmology named after an outstanding physicist Valery Rubakov is starting. INR RAS, SINP MSU, and MEPhI have initiated the project. The School's goal is to elucidate the latest developments in theoretical particle physics. The first School will be held on 2 - 8 July.

## READ MORE →

### **Recalling founders**

### Nikolay Govorun

On 18 March 1930, Nikolay Govorun was born. He was an outstanding physicist, a mathematician and programmer, an initiator of the creation of the JINR local information and computing network.



### Venedikt Dzhelepov

READ MORE -

The Laboratory of Nuclear Problems continues to post publications about a brilliant physicist Venedikt Dzhelepov dedicated to his anniversary. The article is about memoirs of contemporaries about the great scientist.

### **Publications**

### Fresh NICA Bulletin

The ninth issue of the NICA Bulletin has been published reviewing the progress of the implementation of the JINR flagship international project "NICA Complex". The headlines of the new issue: results of the fourth stage of commissioning works at NICA, a meeting of the NICA Coordination Committee, BM@N – first run with full configuration, etc.

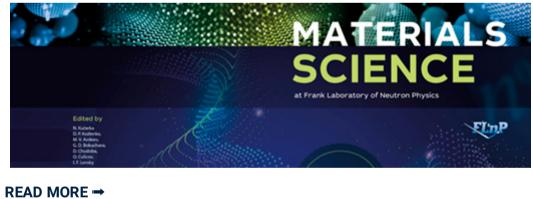
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### JINR News bulletin #1 2023 issued

The first issue of the JINR News bulletin 2023 has been published. It provides information on new scientific results obtained at JINR Laboratories, progress in performance of large-scale experiments, and the JINR social life. **READ MORE** →

### Booklet "Materials science at Frank Laboratory of Neutron Physics"

A new booklet "Materials science at Frank Laboratory of Neutron Physics" has been published. It presents examples of notable materials research performed within the FLNP scientific programme.



READ MORE

### Media

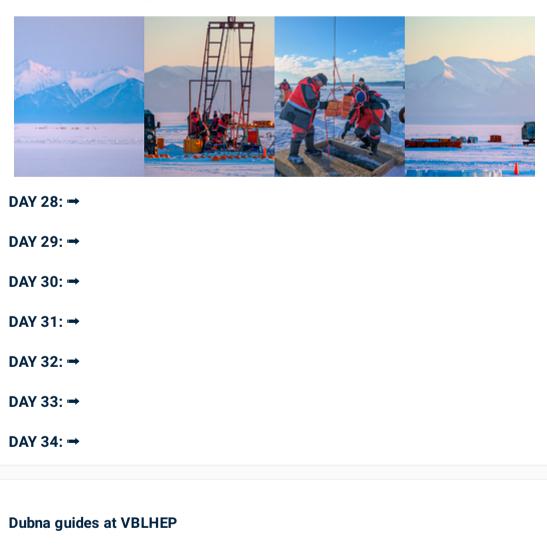
### Video about testing ion guide at BM@N Facility

At the NICA Complex, during the first full-scale run at the BM@N Facility, more than 550 million events were collected. The upgraded ion guide, which comes from the Nuclotron, was tested. As experts say, the fact that the run was conducted without a single failure is also a credit to those who made the ion guide.

## WATCH →

### Baikal-GVD 2023: diaries

The expedition on the ice of Lake Baikal is in full swing. Take a look at photographs made by participants and read notes about assembling of the 11th cluster, laying of bottom cable, optical modules testing, detectors calibration, and equipment supply.



On 21 March, a group of guides from Dubna, who are going to tell numerous tourists of the city about the history and achievements of JINR, visited VBLHEP.

SEE photos 🔿

### Seminar recordings

We kindly invite you to watch recordings of seminars "Study of neutrino oscillations in the NOvA/DUNE Accelerator Experiments" by Oleg Samoylov, "AMBER Experiment at CERN" by Aleksey Guskov, "B-Hadron Trigger in the ATLAS Experiment for Run 3" by Vladimir Lyubushkin, and "Making mountains out of molehills, and not only" by Artem Russakovich.

WATCH seminar by Oleg Samoylov →

WATCH seminar by Aleksey Guskov →

WATCH seminar by Vladimir Lyubushkin →

WATCH seminar by Artem Russakovich ➡

#### JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #11 has been published. Please note that you can read an English version on the JINR Newspaper's website. **READ MORE** →

**Sports** 

### JINR Sports Games

Recently, competitions within the XXIV Sports Games dedicated to the 67th anniversary of JINR have been held at the JINR Stadium "Nauka" and the JINR Sports Club. 85 people participated in rifle shooting competitions. This is a record number of participants.



Darts competition →

Rifle-shooting competition →

Table tennis competition →

Archery competition →

Kettlebell lifting tournament. Stage 1 →

### **Upcoming Events**

### Governing and Advisory Bodies

 24 – 25 March, Session of the Committee of Plenipotentiaries of the Governments of the JINR Member States. JINR International Conference Centre, Dubna

Conferences

- **25 March**, JINR Foundation Day. JINR International Conference Centre, JINR Cultural Centre "Mir", Dubna
- <u>30 March 3 April, School on Physics of quark-gluon matter. JINR</u> International Conference Centre, JINR, Dubna

### Organization

• 29 March, AYSS General meeting

Seminars

- 23 March, at 11:00 AM, VBLHEP. "Methods and software packages for the reconstruction of charged particle tracks in detector systems in front of the analysing magnet of the BM@N Experiment" by Vasilisa Lenivenko
- 23 March, at 3:00 PM, MLIT. "Quantum algorithms for systems of linear equations" by Martin Bures, "Data analysis with parallel tools of the ROOT package" by Tatyana Solovjeva, and "Development of a web application for fitting the data of a small-angle neutron scattering spectrometer" by Alexey Soloviev
- **23 March**, at 3:00 PM, FLNP. "Presentation of the collection "Problems of optics of long-wavelength neutrons" by Alexander Frank
- 24 March, at 11:30 AM, VBLHEP. "Peculiarities of φ-meson production in Cu+Au and U+U interactions at energies √(s<sub>NN</sub>) = 200 and 193 GeV" by Yuri Mitrankov and "Production of φ mesons in p+Al, p+Au, d+Au and 3He+Au interactions at energy √(s<sub>NN</sub>)= 200 GeV" by Maria Mitrankova
- **27 March**, at 11:00 AM, BLTP. "Digital quantum simulation of fermionic models with a superconducting circuit" by Pavel Maksimov
- **<u>28 March</u>**, at 2:30 PM, BLTP. "Friedmann universes: putting it simply. Lecture 1" by Anton Baushev

Culture

- <u>17 March 9 April. JINR Cultural Centre "Mir". Photo exhibition "Big science"</u>
- 20 24 March. JINR Cultural Centre "Mir". "JINR main facilities" <u>exposition tours</u>
- 23 March, at 5:00 PM. Museum of History of Science and Technology of JINR. Lecture series "Battle for elements". "Flerov et al. Every atom counted" by Alexander Rastorguev
- **23 March**, at 6:00 PM. JINR Universal Public Library. Family concert by JINR employees and Children's Music School students
- <u>23 March, at 7:00 PM. JINR Universal Public Library. Book club</u> <u>"Hairpin": discussing a book "Everything I never told you" by Celeste Ng</u>
- 24 March, at 5:30 PM. JINR Universal Public Library. JINR Cinema Club
- 24 March, at 7:00 PM. JINR Scientists' Club. Musical and poetic performance
- 24 March, at 6:00 PM. JINR Universal Public Library. English speaking club
- <u>25 March, at 3:00 PM. JINR Universal Public Library. Family quest along</u> streets named after great scientists
- <u>25 March</u>, at 3:00 PM. JINR Cultural Centre "Mir". Concert "Musica universalis: Art and Science"
- **25 March**, at 6:00 PM. JINR Universal Public Library. "Fiction from the third desk" club meeting
- 28 March, at 7:00 PM. JINR Cultural Centre "Mir". Concert by Moscow Philharmonic Orchestra
- <u>30 March, at 7:00 PM. JINR Cultural Centre "Mir". Concert "Virtuoso"</u>
  Sports
  - <u>16 February 26 March, JINR Sports Complex. XXIV JINR Sports</u>
  - <u>Games</u>
  - <u>26 March</u>, JINR Sports Club. Open kettlebell lifting tournament
    <u>26 March</u>, JINR Sports Complex. Final competitions of XXIV Sports
  - Games

For Kids

- 24 March, at 5:00 PM. JINR Universal Public Library. "Let's READers" by representatives of JINR Member States
- 25 March, 1 April, at 4:30 PM. JINR Museum of History of Science and Technology. IX Mendeleev readings

**3890** 

ALL JINR EVENTS →

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