



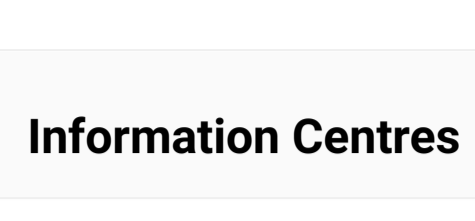
## JINR Newsletter #46, 23 November 2023

Dear colleagues and friends,

One of the highlights as part of CP JINR in Almaty was the launch of a cloud cluster and the opening of a new Information Centre at the Institute of Nuclear Physics of the Republic of Kazakhstan. In addition, JINR expanded cooperation with Moscow State University by signing an agreement on joint work in science and education. A physics professor of the National Autonomous University of Mexico and JINR Scientific Council member Ana Maria Cetto Kramis won the UNESCO Kalinga Prize for the popularisation of science.

In a new issue of the JINR Newsletter, you will find a video about the last session of CP JINR, scientific achievements, records of lectures, cultural and sports events, and much more!

JINR Press Office



### Information Centres

#### JINR cloud cluster launched and Information Centre opened at INP in Almaty

On 11 November, the Institute of Nuclear Physics of the Ministry of Energy of the Republic of Kazakhstan officially launched a new cloud computing cluster of the Joint Institute for Nuclear Research in INP, and a ribbon-cutting ceremony of the tenth JINR Information Centre took place. The event was held within the CP JINR visiting session.

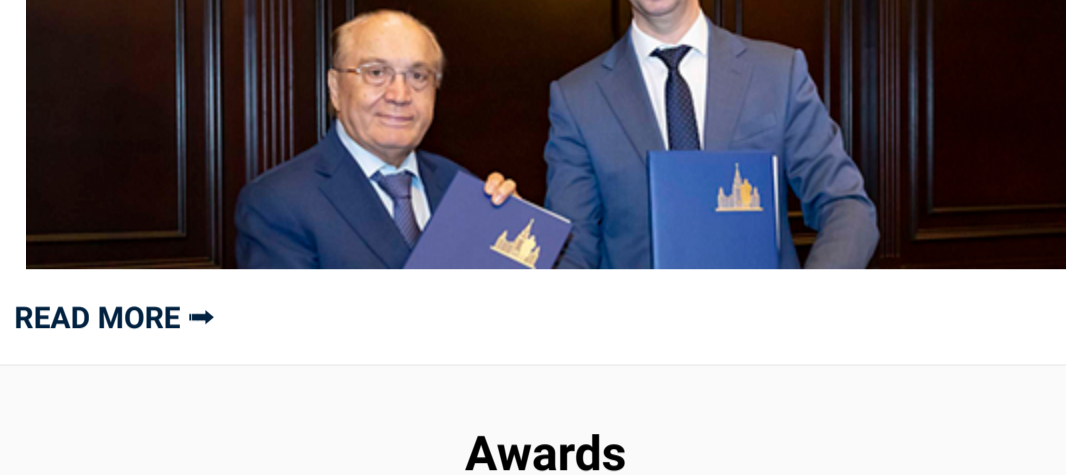


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### Cooperation

#### Cooperation agreement signed between JINR and MSU

A joint meeting of the Scientific Council of Moscow State University and JINR took place on 20 November. At the meeting, JINR Director Grigory Trubnikov and MSU Rector Victor Sadovnichy signed an agreement on cooperation between the organizations.

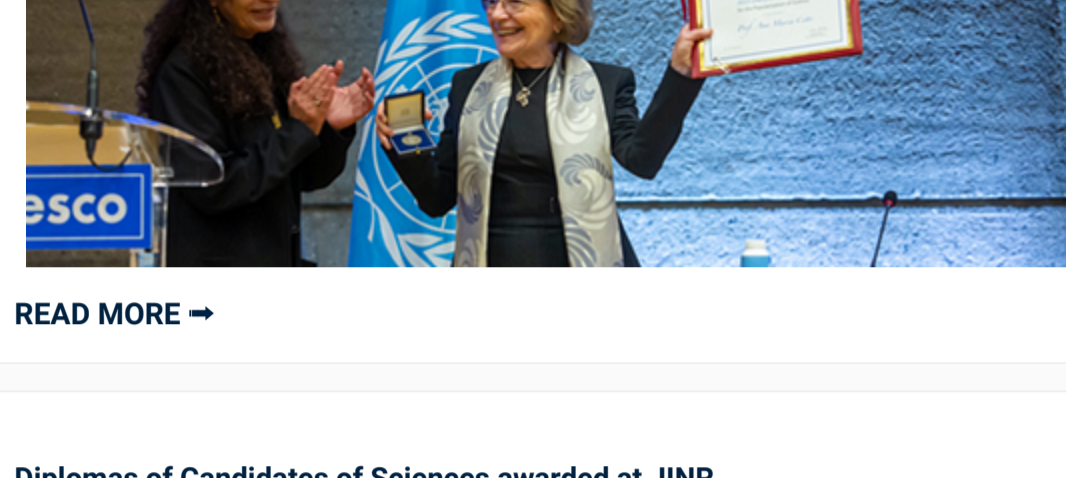


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### Awards

#### Ana Maria Cetto Kramis – UNESCO Prize laureate

A physics professor of the National Autonomous University of Mexico and JINR Scientific Council member Ana Maria Cetto Kramis won the UNESCO Kalinga Prize for the popularisation of science. On 13 November, an award ceremony took place at an event dedicated to the World Science Day for Peace and Development at the UNESCO headquarters in Paris.



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#### Diplomas of Candidates of Sciences awarded at JINR

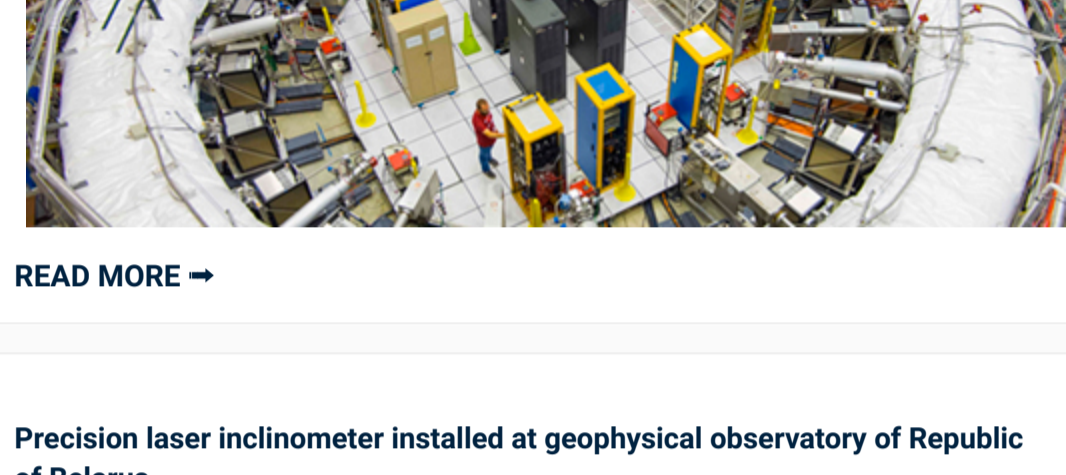
On 21 November, an awarding ceremony of diplomas on conferring academic degrees took place at the Joint Institute. Three Candidates of Sciences, who defended their theses in the dissertation councils of DLNP, FLNP, and MLIT, received their diplomas.

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### Research

#### New results of precision measurements of muon anomalous magnetic moment

In October 2023, the Muon g-2 collaboration published an article in the Phys. Rev. Lett. with new results of the experiment on precision measurements of the muon anomalous moment at Fermilab (USA). DLNP JINR scientists, members of the collaboration, participated in the construction of the track detector prototype and development of the data collection and visualisation system.



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#### Precision laser inclinometer installed at geophysical observatory of Republic of Belarus

At the end of October 2023, employees of the Laboratory of Nuclear Problems at JINR installed a compact precision laser inclinometer in Naroch, the geophysical observatory of the National Academy of Sciences of Belarus.

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### Education

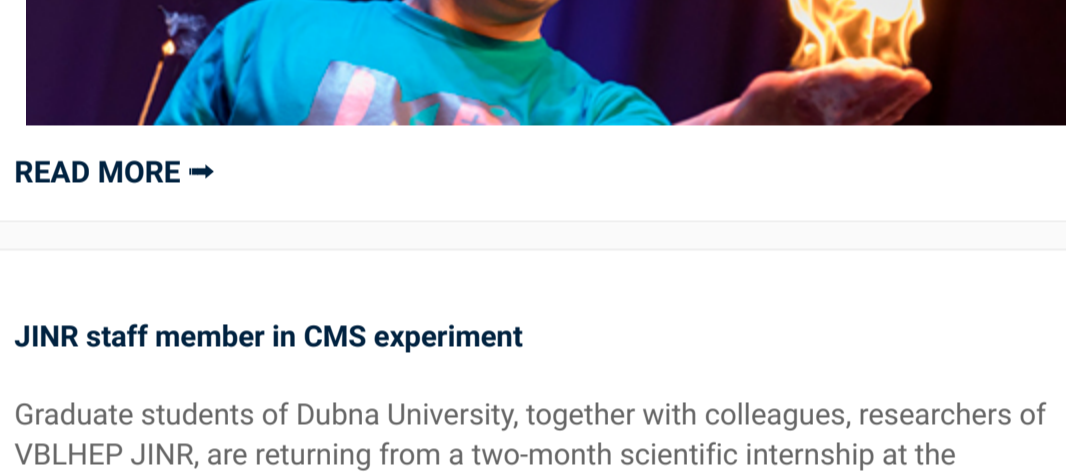
#### JINR hosted School on Physics of Quark-Gluon Matter

On 16 - 20 November, the Joint Institute for Nuclear Research hosted the School on Physics of Quark-Gluon Matter. 30 students of years 1-4 studying elementary particle physics participated in the event.

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#### Physics Days 2023

On 24 November, JINR invites schoolchildren of forms 3-10 to take part in the Physics Days 2023 at the Flerov Lyceum No. 6 and UC JINR. The event includes experiments, team competitions, DIY masterclasses, and much more. For any inquiries, please contact [dubna.education@yandex.ru](mailto:dubna.education@yandex.ru).



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#### JINR staff member in CMS experiment

Graduate students of Dubna University, together with colleagues, researchers of VBLHEP JINR, are returning from a two-month scientific internship at the European Organization for Nuclear Research. They monitored the detector systems, ensuring smooth operation and efficient observation of particles in collisions of proton beams at the LHC.

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### Announcements

#### Competition for VBLHEP scholarships

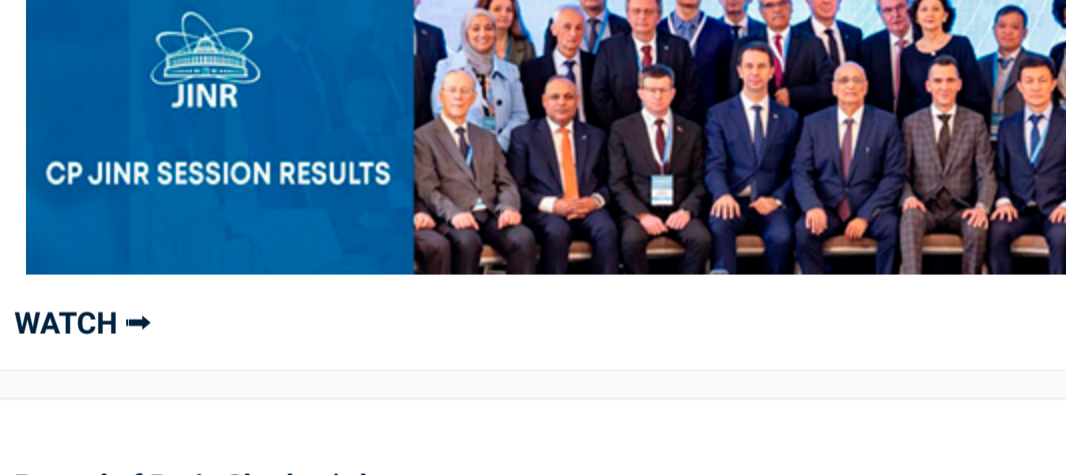
The VBLHEP Council of Young Scientists and Specialists announced the start of a competition for VBLHEP scholarships for young scientists. You can apply documents until 4 December in building 215, room 403. You can receive only one scholarship, namely Alexander Baldin Scholarship, Vladimir Veksler Scholarship, or the Moisey Markov Scholarship.

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### Media

#### Video about CP JINR results

On 10 – 11 November, a session of the Committee of Plenipotentiaries of the Governments of the JINR Member States took place in Almaty. Following the results of the session, CP JINR approved the presented Seven-Year Plan for the Development of JINR in 2024 – 2030.



[WATCH →](#)

#### Record of Boris Sharkov's lecture

On 21 November, in Saratov, Special Representative of the Director of the Institute for Cooperation with International and Russian Scientific Organizations Boris Sharkov spoke at the scientific event of the National Centre for Physics and Mathematics (NCPM). He delivered a lecture "NCPM is the world's leading centre for fundamental science, competitive technologies, an incubator for next generation of researchers of the highest level".

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#### Filming at JINR

On 17 November, a programme dedicated to the connection between megascience projects and business developments was filmed at VBLHEP at JINR for the RBC TV channel. JINR Director Grigory Trubnikov told the film crew about applied research carried out at NICA together with business partners. A business partner Sergey Slesarenko informed the journalists about the progress of joint work in radiation materials science.

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#### About Career Fair at MEPhI

At the Career Day, which was held at MEPhI on 16 November, JINR gave students the opportunity to look at career prospects in the field of nuclear research.

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#### Seminar record

We invite you to watch a seminar record "Corporate ethics of scientific organization: trend, illusion, reality" by Irek Suleymanov.

[WATCH →](#)

#### Video about past week JINR events

We offer you to watch a video review of recent events from the life of the Institute and Dubna.

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#### JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #44 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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### Sports

#### Volleyball tournament finished in Dubna

Competitions dedicated to a remarkable volleyball coach Vladimir Rudkovsky took place in Dubna from 4 to 18 November. Four teams, including the team of the Joint Institute, participated in the tournament at the JINR Nauka Stadium.

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#### Ice hockey match

The first friendly ice hockey match of the season between the Raduga State Engineering Design Bureau and JINR teams has taken place at the Snowman Ice Skating Rink.

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### Upcoming Events

#### Conferences

- **28 – 30 November** 11th Collaboration Meeting of the BM@N Experiment at the NICA Facility, VBLHEP, JINR, Dubna

#### Seminars

- **24 November, 10:00 AM**, VBLHEP, Lecture series on training of accelerator complex operators, ORBIT correction in Booster and Nuclotron
- **24 November, 11:00 AM**, DLNP, Lecture 4 of DLNP project "Lifehacks of some use for scientist" about professional burnout
- **27 November, 10:00 AM**, VBLHEP, Lecture series on training of accelerator complex operators, Injection channel from HLAC to Booster, Injection and circulation adjustment
- **27 November, 3:30 PM**, BLTP, "Microscopic shell-model version of the Bohr-Mottelson collective model and some of its applications" by Huben Ganey
- **27 November, 11:00 AM**, BLTP, Journal Club, "Voids may solve cosmology's biggest questions" by Chitta Ranjan Das
- **29 November, 11:00 AM**, DLNP, "Impact of asymmetry measurements at the SPD on understanding gluon distributions" by Amaresh Datta

#### Culture

- **16 October – 1 December**, daily from 2:00 PM to 7:00 PM (except Saturday and Sunday), JINR Scientists' Club, "Artist paints Dubna" exhibition
- **10 November – 10 December**, daily from 1:00 to 7:00 PM (except Monday), JINR Cultural Centre "Mir", Exhibition of young artists of Dubna
- **16 November – 15 December**, daily from 1:00 to 8:00 PM (except Monday), JINR Universal Public Library, Photo exhibition of floral still lifes
- **23 November, 6:00 PM**, JINR Scientists' Club, JINR Cinema Club
- **23 November, 7:00 PM**, JINR Universal Public Library, Summer Reading List book club
- **24 November, 9:30 AM**, Lyceum No. 6, 2023 Physics days
- **24 November, 6:00 PM**, JINR Universal Public Library, English speaking club
- **24 November, 6:00 PM**, JINR Universal Public Library, Scrapbooking club's meeting
- **24 November, 6:30 PM**, JINR Universal Public Library, Public talk on career guidance
- **24 November, 7:00 PM**, JINR Cultural Centre "Mir", Tea and music evening
- **25 November, 6:00 PM**, JINR Cultural Centre "Mir", A capella concert
- **25 November, 6:00 PM**, JINR Universal Public Library, Guttenberg's Smoking Room meeting

#### For Kids

- **25 November, 5:00 PM**, JINR Universal Public Library, "Let's READers" and "Fiction from the third desk"
- **26 November, 6:00 PM**, Museum of History of Science and Technology of JINR, International synchronised tournament among school teams

#### Sports

- **20 – 25 November**, JINR Nauka Stadium, JINR bullet shooting tournament
- **25 November, 10:00 AM**, JINR Nauka Stadium, Table tennis tournament

[ALL JINR EVENTS →](#)