

JINR Newsletter #8, 28 February 2024

Dear colleagues and friends,

The main topic of the latest issue of the JINR Newsletter is the wide range of activities of the Institute in developing international cooperation. These include meetings in South Africa dedicated to the development of educational programmes, a youth school in Cuba, and joint scientific research as part of international collaborations.

We would also like to bring to your attention the JINR Director's commentary on the first session of the JINR Scientific Council in the new seven-year period.

JINR Press Office



Meetings in South Africa

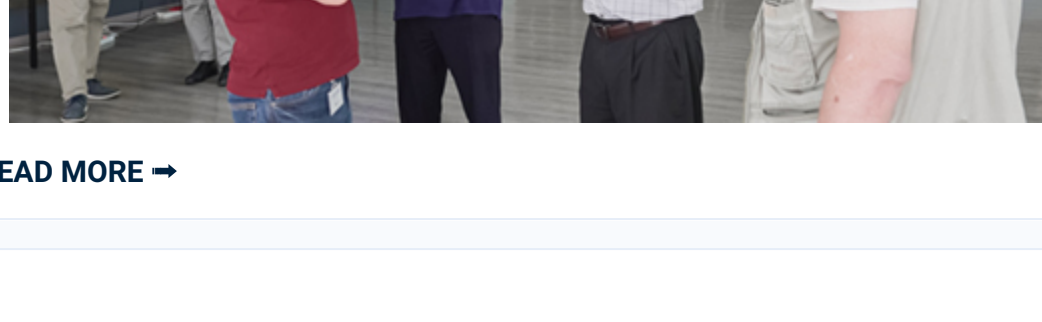
Meeting with SA educators: advancing collaboration in physics education

On 31 January, a meeting between representatives from the Western Cape Educational Department, JINR, and the University of the Western Cape took place at iThemba LABS. The main topic of discussion was the amplification of the educational opportunities available through the JINR Virtual Labs project for educational institutes of the Western Cape.

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Joint RSA-JINR summer school programme for university students at iThemba LABS

From 15 January to 2 February, the Republic of South Africa hosted a three-week RSA-JINR Summer School. Ten delegates from the Joint Institute for Nuclear Research visited Cape Town to deliver presentations in different scientific fields.



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Primary school & high school students engage with science and Russian culture at iThemba LABS

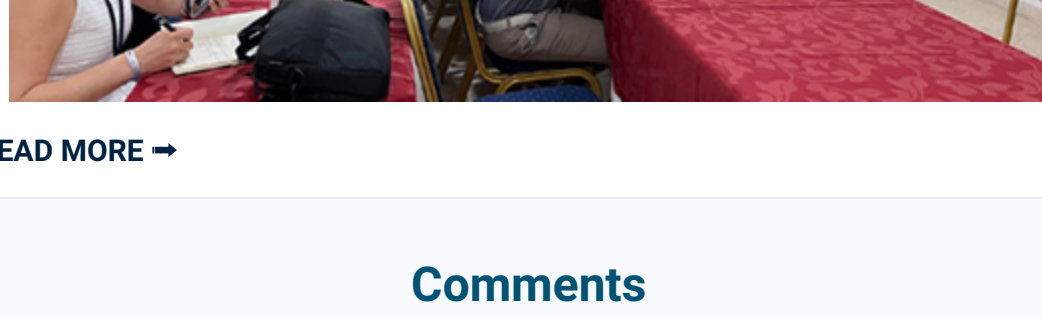
On 29 January, alongside the RSA-JINR Summer School for South African university students, an educational event for schoolchildren and their teachers took place at iThemba LABS.

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Conferences

International school for young scientists takes place in Cuba

From 25 to 28 February, the International School on Nuclear Methods and Applied Research in Environmental, Material and Life Sciences (NIMAR-2024) is taking place in Varadero, Cuba. As part of the programme, young Latin American scientists and their supervisors attend lectures by leading scientists from JINR and scientific organizations of Cuba and Mexico.



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Comments

JINR Director Grigory Trubnikov on work of 135th session of Scientific Council

On 15–16 February, the 135th session of the JINR Scientific Council took place. We offer you an interview with JINR Director RAS Academician Grigory Trubnikov about the work of the Scientific Council and the report on the main results of the Joint Institute for Nuclear Research presented to the SC members.



[WATCH →](#)

Awards

Academician Deleg Sangaa receives title of Honoured Scientist of Mongolia

On 16 February, President of Mongolia Ukhnaagin Khürelsükh presented the highest state awards to distinguished scientists and teachers of the country. Leading Researcher at the Institute of Physics and Technology of the Mongolian Academy of Sciences, former FLNP Deputy Director for Scientific Work, Academician Deleg Sangaa was among the awardees.



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Research

23rd meeting of JUNO international collaboration

The event is taking place from 22 to 29 February in Kaiping (Guangdong Province, China). The JUNO Experiment aims to determine the neutrino mass hierarchy. Due to the large mass of the liquid scintillation detector and the high accuracy of the energy measurement, the experiment opens up a wide range of opportunities for research.



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Announcements

Registration for NCPM school opens

Students, postgraduates, and young scientists are welcome to participate in the School on Research in Strong and Superstrong Magnetic Fields of the National Centre for Physics and Mathematics (NCPM) that will take place from 21 to 24 May 2024 in Sarov. Registration for the event is open until 17 March [via the link](#).



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Registration for MIPT giant slalom championship opens

On 3 March, the Open Giant Slalom Championship will take place at the Leonid Tyagachev ski resort. You can send your applications until 29 February inclusive to markova.av@phystech.edu and egorov.ivan@phystech.edu (cc: to chudoba@jinr.ru). Subject: MIPT Open Championship 2024. Text: Full name; year of birth; MIPT graduate/guest/student; company/team; university. [Join](#) the AYSS ski club Telegram community to get more news regarding winter activities.

Women's Day with AYSS

The Association of Young Scientists and Specialists of JINR invites employees to take part in the festive evening dedicated to the International Women's Day, which will take place in the Baryon Restaurant on 8 March, at 5:00 PM. You can register [via the link](#) until 29 February, 12:00 PM.

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Media

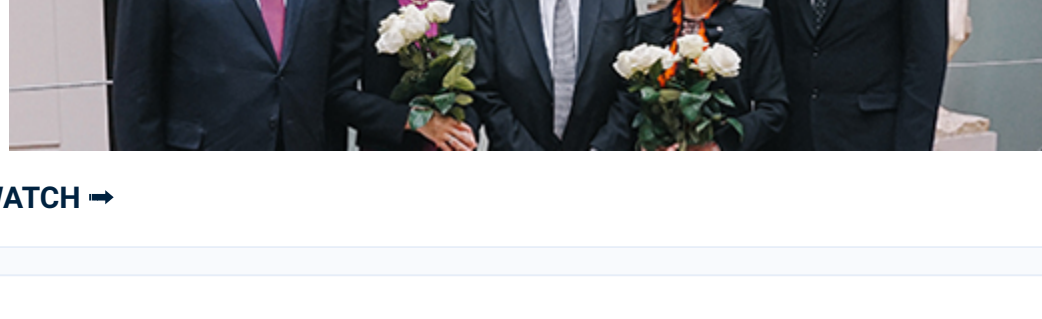
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[WATCH →](#)

First laureates of OGANESSION Prize awarded

We offer you a video about the first award ceremony of the OGANESSION Prize, which took place on 16 February at the Pushkin State Museum of Fine Arts in Moscow. The Prize was established in 2023 by RAS Academician Yuri Oganesian and the Joint Institute for Nuclear Research to support scientists and science popularisers.



[WATCH →](#)

Filming at VBLHEP at JINR

VBLHEP Deputy Chief Engineer Konstantin Mukhin told the film crew about one of the stages of preparation for research at NICA, cooling of the MPD Facility magnet, as well as about the collider design and tasks of the project. The coverage will be aired as part of the *Black holes*. *White Spots* programme.

[WATCH →](#)

Diary of participant of Baikal-GVD Expedition

The expedition to deploy the Baikal-GVD Deep Underwater Neutrino Telescope continues. Every day the project participant, DLNP JINR Senior Researcher Baur Shaibonov, writes notes about the progress of work on Lake Baikal. Please enjoy the expedition news and photos.

[DAY 6 →](#)

[DAY 7 →](#)

[DAY 8 →](#)

[DAY 9 →](#)

[DAY 10 →](#)

[DAY 11 →](#)

[DAY 12 →](#)

Recordings of seminars at JINR Scientists' Club

We offer you to watch the recordings of the seminar series "Modern science: social structure of its ideas" by Vitaly Kurennoy.

[WATCH →](#)

[WATCH →](#)

[WATCH →](#)

Seminar recordings

We invite you to watch recordings of the seminars "COMET Experiment at the J-PARC Accelerator Complex (Japan)"¹ by Zviad Tsamaldze and "Status and development of the VBLHEP injection complex"² by Valery Lebedev.

[WATCH¹ →](#)

[WATCH² →](#)

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.

[WATCH →](#)

JINR Weekly Newspaper issued

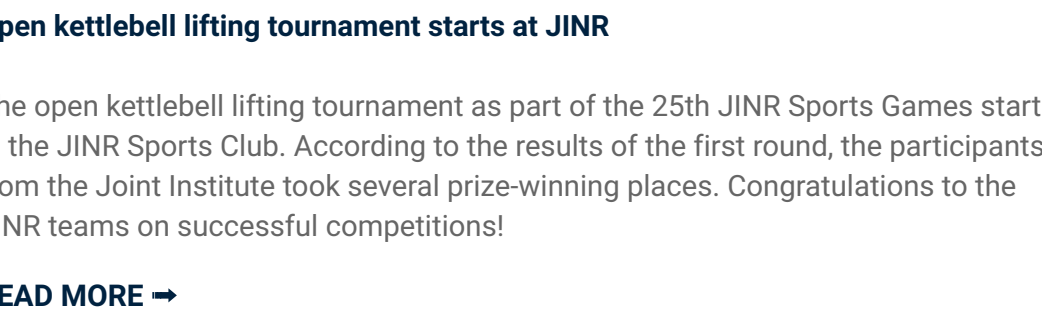
A new issue of the JINR Weekly Newspaper #7 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Sports

JINR team wins second place in cross-country skiing competitions

On 21 February, cross-country skiing competitions were held at the Yude-Kon Stadium as part of the 25th JINR Sports Games. The JINR team took the second place. Congratulations to the athletes on their successful performance!



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Success of JINR scientists at football competitions

On 22 February, at the football tournament as part of the 25th JINR Sports Games, the team of the Laboratory of High Energy Physics won with the score 6:3. Congratulations to the VBLHEP team on the victory!

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Open kettlebell lifting tournament starts at JINR

The open kettlebell lifting tournament as part of the 25th JINR Sports Games started in the JINR Sports Club. According to the results of the first round, the participants from the Joint Institute took several prize-winning places. Congratulations to the JINR teams on successful competitions!

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Upcoming Events

Conferences

- **29 February – 1 March**, JINR-Cuba Meeting on Applied research and Human capacity building, Havana, Cuba

Seminars

- **29 February**, 3:00 PM, MLIT, "Ab initio quantum chemical cluster calculations for models of quantum magnetism" by Lyudmila Slurakhina
- **29 February**, 3:00 PM, FLNP, "Polarized neutron reflectometry" by Victor Aksenov
- **29 February**, 4:00 PM, VBLHEP, "Spin oscillations during gravitational scattering of neutrinos by rotating black hole" by Maxim Dvornikov
- **1 March**, 10:00 AM, VBLHEP, "Colliders" lecture series. Review by Valery Lebedev
- **1 March**, 11:00 AM, MLIT, "FEM-based approaches for modeling of resource-demanding magnetization problems with magnetic scalar potential" by Alexander Chervyakov
- **1 March**, 11:30 AM, VBLHEP, "Dynamics of (hyper)nuclei in heavy ion collisions" by Victor Kireev
- **4 March**, 11:00 AM, BLTP Journal Club, "Crossover from integer to fractional quantum Hall Effect" by Kaushal Kumar Kesharpu
- **6 March**, 3:00 PM, BLTP Dissertation Council, "Generalised renormalisation group equations in non-renormalisable quantum field theory" by Denis Tolkachev

JINR Youth

- **28 March**, AYSS General meeting

Culture

- **12 February – 15 March**, weekdays from 2:00 to 7:00 PM, JINR Scientists' Club, Art exhibition
- **20 February – 17 March**, daily from 1:00 to 7:00 PM (except Monday), JINR Cultural Centre "Mir", Colours of Time exhibition
- **29 February**, 9:00 AM, JINR University Centre, "Evolution of universe. Neutron stars" lecture
- **29 February**, 5:00 PM, JINR Scientists' Club, "Shaping of a new world order, potential scenarios and opportunities" lecture
- **29 February**, 6:00 PM, JINR Universal Public Library, "Megaphone of Science"
- **29 February**, 7:00 PM, JINR Universal Public Library, Summer Reading List book club
- **29 February**, 7:00 PM, JINR Universal Public Library, Italian speaking club
- **1 March**, 6:00 PM, JINR Universal Public Library, English speaking club
- **1 March**, 6:00 PM, JINR Universal Public Library, JINR Cinema Club
- **1 March**, 6:00 PM, JINR Universal Public Library, Scrapbooking club's meeting
- **1 March**, 7:00 PM, JINR Scientists' Club, "Symbolism: art style at turn of XIX-XX centuries" lecture
- **1 March**, 7:30 PM, JINR Cultural Centre "Mir", "Happiness is different for everyone" performance
- **2 March**, 12:00 PM and 5:00 PM, JINR Cultural Centre "Mir", Concert of "First steps in arts" festival
- **2 March**, 1:00 PM, JINR Universal Public Library, Meeting of debating club for teenagers
- **2 March**, 6:00 PM, JINR Universal Public Library, Meeting of book club for teenagers
- **2 March**, 6:00 PM, JINR Universal Public Library, Guttenberg's Smoking Room meeting
- **3 March**, 12:00 PM, JINR Cultural Centre "Mir", "Puss in Boots" musical performance

For Kids

- **1 March**, 4:00 PM, JINR Universal Public Library, "Times and epochs" children's history project
- **2 March**, 5:00 PM, JINR Universal Public Library, Let's READers
- **2 March**, 6:00 PM, JINR Universal Public Library, Let's READers book club for teenagers
- **3 March**, 11:00 PM, 12:15 PM, JINR Museum of History of Science and Technology, "Secrets of paper" classes
- **3 March**, 6:30 PM, JINR Museum of History of Science and Technology, Intellectual tournament for schoolchildren

Sports

- **1 – 2 March**, 1:00 PM, JINR Archimedes Swimming Pool, Swimming competition

ALL JINR EVENTS →