



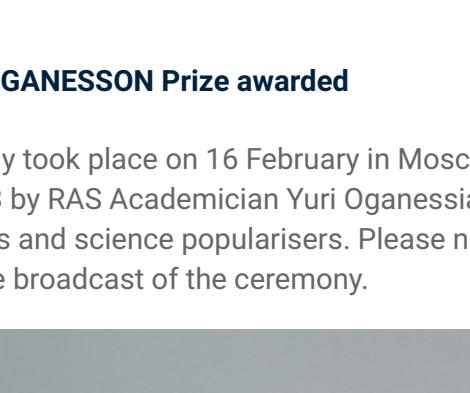
## JINR Newsletter #7, 21 February 2024

Dear colleagues and friends,

One of the most remarkable recent events was the first award ceremony of the OGANESSION Prize. It is noteworthy that the past week was rich in awards and prizes. International experts, members of the JINR Scientific Council that has recently taken place in Dubna, participated in the celebration.

In the latest issue of the JINR Newsletter you will also find the highlights of the Institute's research activities. A new expedition has started on Lake Baikal, and the magnet of the MPD Experiment at the NICA Complex is undergoing its first full cooling. The first joint data analysis from the NOvA and T2K neutrino experiments, in which JINR scientists actively participated, obtained intriguing results.

JINR Press Office



### Governing Bodies

#### First session of JINR Scientific Council in new seven-year period

On 15–16 February, the 135th session of the JINR Scientific Council took place. Participants discussed the JINR Director's report, reviewed the recommendations of the JINR PACs, approved amendments to the Regulation on the election of directors and the endorsed appointment of deputy directors, announced the results of the competition for JINR prizes.



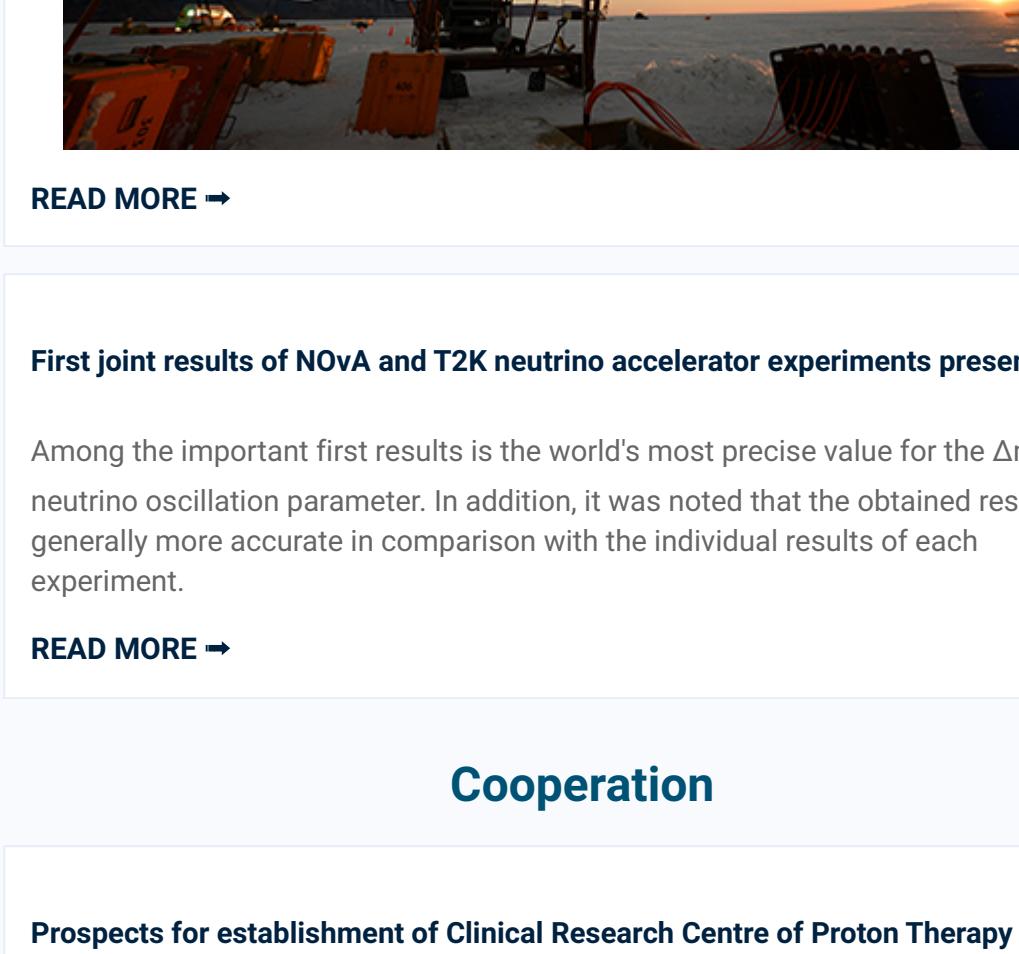
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### Awards

#### First laureates of OGANESSION Prize awarded

The grand ceremony took place on 16 February in Moscow. The Prize was established in 2023 by RAS Academician Yuri Oganesyan and the Joint Institute to support researchers and science popularisers. Please note that you can watch a recording of the live broadcast of the ceremony.



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#### JINR Director Grigory Trubnikov receives title of SPbPU Honorary Doctor

On 19 February, JINR Director Grigory Trubnikov, Academician of the Russian Academy of Sciences, received a diploma and the mantle of Honorary Doctor of the Peter the Great St. Petersburg Polytechnic University (SPbPU). The ceremony took place as part of the grand meeting of the SPbPU Scientific Council.

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#### FLNP JINR employee received Friendship Award of China

On 4 February, the presentation ceremony of the highest award of the Chinese Government for foreigners, the Friendship Award, took place in Beijing. FLNP JINR Leading Researcher Yuri Gledenov received the Award for his valuable contribution to the modernisation of China and the development of international cooperation.



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### JINR Prizes for 2023

At the 135th session of the JINR Scientific Council, the results of the competition for JINR annual prizes were announced. The prizes are presented for outstanding experimental, methodological, and applied research on JINR scientific themes. The full list of papers that received prizes is available on the JINR website.

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### Research

#### First cooling of MPD NICA solenoid in progress

In February, the full-scale cooling of the solenoid of the MPD Facility at the NICA Accelerator Complex has been started for the first time. Previously, a trial cooling to a temperature of 250 K (-23.15°C) was carried out to test the technical feasibility of the process.

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#### Another expedition to deploy Baikal Neutrino Telescope starts

Every year from February to April, researchers travel to Lake Baikal to build the Baikal-GVD Neutrino Telescope. As part of the current expedition, two new clusters will be installed and the existing ones will undergo maintenance. The Institute for Nuclear Research of RAS, JINR, and Irkutsk State University organized the expedition.



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#### First joint results of NOvA and T2K neutrino accelerator experiments presented

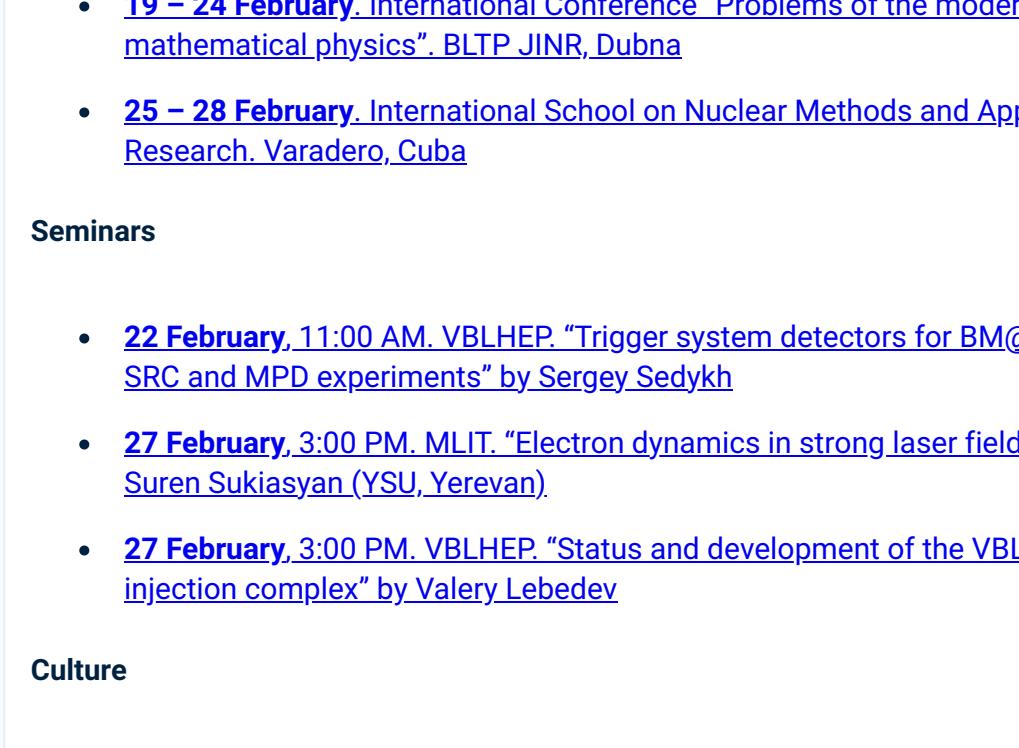
Among the important first results is the world's most precise value for the  $\Delta m^2_{32}$  neutrino oscillation parameter. In addition, it was noted that the obtained results are generally more accurate in comparison with the individual results of each experiment.

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### Cooperation

#### Prospects for establishment of Clinical Research Centre of Proton Therapy discussed at JINR

On 19–20 February, representatives of Russian medical centres visited JINR. The visit was aimed at discussing the prospects for the establishment of the Clinical Research Centre for Proton Therapy in Dubna. The delegation got acquainted with the scientific infrastructure of the Joint Institute at LRB, DLNP, and FLNR.



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### Conferences

#### Conference on Problems of Modern Mathematical Physics takes place at BLTP

On 19–23 February, the Joint Institute is hosting the "Problems of Modern Mathematical Physics" international conference, organized by the Bogoliubov Laboratory of Theoretical Physics at JINR. This year, more than 70 people are taking part in the event.



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#### First computing workshop for START students

The workshop taking place on 19–23 February aims at training young students participating in the START programme to develop the required skills to join the INTEREST programme and carry out data analysis for the MPD Experiment.

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### Announcements

#### Nucleus-2024: call for applications starts

From 1 to 5 July 2024, the 74th International Conference "Nucleus-2024: Fundamental Problems and Applications" will take place at BLTP at JINR. In-person participation is required. Application and abstract submission deadline is on 15 April 2024. You can find more information [via the link](#).



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#### Deadline for documents submission for JINR grant competition for Dubna teachers extended

The deadline for submitting documents to participate in the [JINR grant competition for Dubna teachers](#) has been extended until 1 March 2024. The JINR Directorate invites teachers to take part in the competition.

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### Schedule of football competitions at JINR

In February and March, JINR hosts football competitions as part of the 25th JINR Sports Games. The schedule of matches and intermediate results are available on the Sports at JINR VK page.

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### Swimming competitions at JINR

On 1 and 2 March, at 1:00 PM, the JINR Archimedes Swimming Pool invites everyone interested to support the athletes taking part in the swimming competitions in memory of Academician Georgy Flerov.

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### 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 Baronov Restaurant on 8 March, at 5:00 PM. You can register [via the link](#) from 26 February, 10:00 AM until 29 February, 12:00 PM.

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### Media

#### First session of JINR Scientific Council in new seven-year period

We offer you to watch a video about the work of the JINR Scientific Council with participation of JINR Director Grigory Trubnikov and a SC member from South Africa, Vice-Chancellor of Wits University Zeblon Vilakazi.

[WATCH →](#)

#### Recording of OGANESSION Prize award ceremony

On 16 February, the first winners of the OGANESSION Prize were awarded. We invite you to watch the recording of the grand ceremony.

[WATCH →](#)

#### Diary of participant of Baikal-GVD Expedition

On 16 February, another expedition to deploy the Baikal-GVD Deep Underwater Neutrino Telescope has started. Every day the expedition participant, DLNP JINR Senior Researcher Bair Shabarov, writes notes about the progress of work on Lake Baikal. Please enjoy the expedition news and photos.



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### Seminar records

We invite you to watch records of the seminars "Status of z-scaling: search for new physics in high energy hadron production" by Mikhail Tokarev and "Goal setting and planning. How to manage your life and your time?" by Oksana Pliskovskaya.

[WATCH<sup>1</sup> →](#)

[WATCH<sup>2</sup> →](#)

### Sports

#### JINR employee succeeds in weightlifting competition

On 17 February, the JINR Sports Club hosted weightlifting competitions among veterans and the Moscow Region championship among senior athletes. A JINR employee Vyacheslav Afanasyev became the champion of the Moscow Region in his age group. We congratulate Vyacheslav on his successful performance!



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### Upcoming Events

#### Conferences

- **19 – 24 February**, International Conference "Problems of the modern mathematical physics", BLTP JINR, Dubna
- **25 – 28 February**, International School on Nuclear Methods and Applied Research, Varadero, Cuba

#### Seminars

- **22 February**, 11:00 AM, VBLHEP, "Trigger system detectors for BM@N, SRC and MPD experiments" by Sergey Sedykh
- **27 February**, 3:00 PM, MUIT, "Electron dynamics in strong laser field" by Suren Sukiasyan (YSU, Yerevan)
- **27 February**, 3:00 PM, VBLHEP, "Status and development of the VBLHEP injection complex" by Valery Lebedev

#### Culture

- **12 February – 15 March**, weekdays from 2:00 to 7:00 PM, JINR Scientists' Club, Art exhibition of Vlad Kravchuk
- **20 February – 17 March**, daily from 1:00 to 7:00 PM (except Monday), JINR Cultural Centre "Mir", Colours of Time exhibition
- **21 February**, 7:00 PM, JINR Cultural Centre "Mir", Dubna Symphony Orchestra concert
- **22 February**, 4:00 PM, JINR Universal Public Library, Hairpin book club
- **24 February**, 5:00 PM, JINR Cultural Centre "Mir", "Trip from Italy to Russia" Lecture 2
- **25 February**, 6:00 PM, JINR Cultural Centre "Mir", "The real Mussorgsky"
- **27 February**, 7:00 PM, JINR Universal Public Library, Genealogical club's meeting

#### For Kids

- **24 February**, 4:00 PM, JINR Universal Public Library, Children's research project "Archimedes Peak"
- **24 February**, 5:00 PM, JINR Universal Public Library, Let's READers
- **24 February**, 6:00 PM, JINR Universal Public Library, "Fiction from the third desk" club meeting

#### Sports

- **23 February**, 10:30 AM, JINR Sports Club, XXV JINR Sports Games, Kettlebell lifting

#### ALL JINR EVENTS →