



JINR Newsletter #12, 27 March 2024

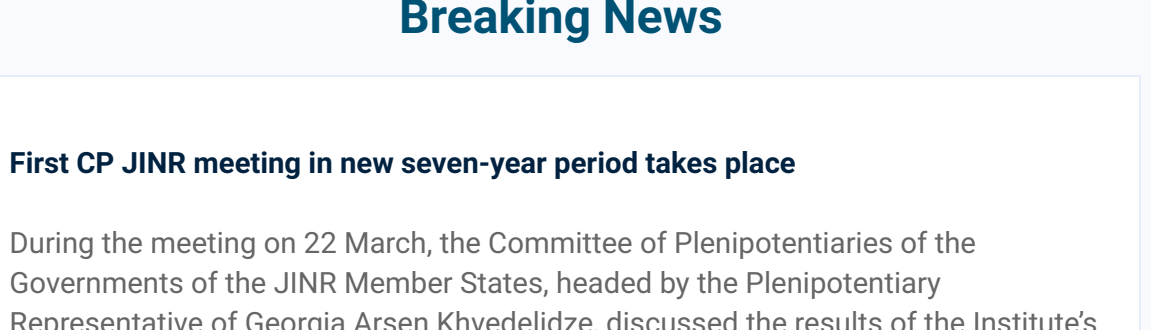
Dear colleagues and friends,

The first meeting of the Committee of Plenipotentiaries of the Governments of the JINR Member States in the new seven-year period has concluded. The participants discussed JINR's scientific progress, reflected on the results of the Institute's work, and spoke of its plans in the field of international cooperation, personnel training, and development of the Dubna science city.

Unfortunately, the bright events of the Institute's international life and the 68th anniversary of the JINR foundation were overshadowed by the grief that struck the Russian Federation. This tragedy affected the Joint Institute as well: the terrorist attack in the Moscow Region took the life of a young FLNP employee, Lyubov Alexandrovna Truntova.

We share the pain of this great loss.

JINR Press Office



Breaking News

First CP JINR meeting in new seven-year period takes place

During the meeting on 22 March, the Committee of Plenipotentiaries of the Governments of the JINR Member States, headed by the Plenipotentiary Representative of Georgia Arsen Khvedelidze, discussed the results of the Institute's work in science, personnel training, and social infrastructure development.



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Scientific results and execution of Institute's budget for 2017-2023 reviewed

On 21 March, the JINR International Conference Centre hosted a meeting of the JINR Finance Committee. The FC members reviewed the results of the Institute's activities, the implementation of the JINR budget for 2023, the revised draft budget for 2024, and discussed changes in the rules for conducting FC and CP.

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Director's congratulations on JINR Foundation Day

On 26 March, the Joint Institute for Nuclear Research celebrates the JINR Foundation Day. We invite you to read the Director's address on the Institute's 68th anniversary.

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Sincere Condolences

Institute's condolences to victims of Crocus City Hall attack, their families and friends

In connection with the appalling tragedy, the terrorist attack in the Crocus City Hall in the Moscow Region, the Joint Institute for Nuclear Research is grieving. Our hearts are with the families of the victims, with all of Russia. JINR strongly condemns terrorism in all its forms.

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Lyubov Truntova. Condolence letter

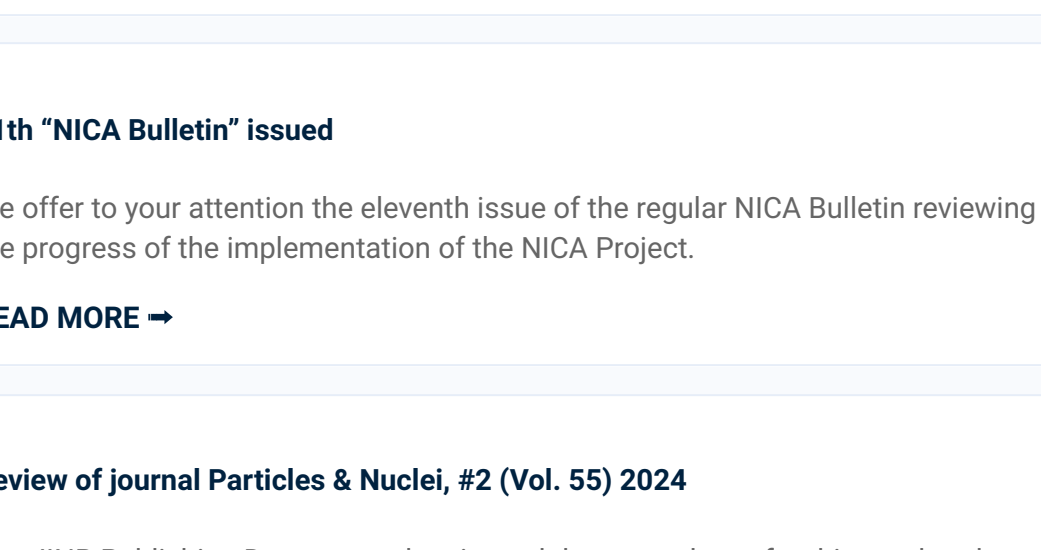
FLNP Senior Engineer Lyubov Alexandrovna Truntova tragically fell victim to a terrorist attack in the Crocus City Hall on 22 March. We invite you to get acquainted with the message by the Laboratory's team, who fondly remember her devotion and contribution to the Institute's work.

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Cooperation

JINR and AANL of Republic of Armenia signed cooperation agreement

On 20 March, JINR Director Grigory Trubnikov and Director of A. I. Alikhanyan National Science Laboratory (AANL) Gevorg Karayan signed an agreement to expand cooperation in the field of fundamental science, information technology, innovation, and education.



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JINR and Kazakhstan confirmed their intentions to strengthen cooperation

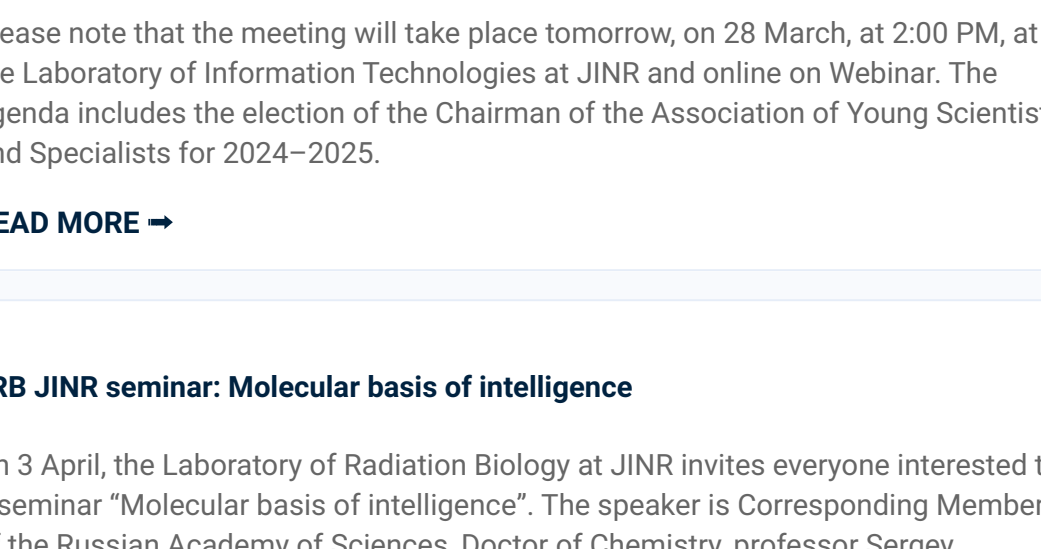
On 22 March, Vice-Minister of Science and Higher Education of Kazakhstan Darkhan Ahmed-Zaki met with the JINR Directorate to discuss new joint projects. In addition, the Vice-Minister took part in the session of the JINR Committee of Plenipotentiaries and got acquainted with the Institute's facilities.

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Publications

On hierarchy of classicality and symmetry of quantum states

We offer to your attention a study by Head of the Sector of Algebraic and Quantum Computations at MLIT Arsen Khvedelidze and Junior Researcher of the Sector Astghik Torosyan published in the Notes of Scientific Seminars of FBMJ journal.



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11th "NICA Bulletin" issued

We offer to your attention the eleventh issue of the regular NICA Bulletin reviewing the progress of the implementation of the NICA Project.

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Review of Journal Particles & Nuclei, #2 (Vol. 55) 2024

The JINR Publishing Department has issued the second part for this year's volume of "Physics of Elementary Particles and Atomic Nuclei", a journal constituting of review articles by leading physicists from the JINR Member States and scientists from all over the world.

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Review of Journal "Particles and Nuclei, Letters", #2 2024

We invite you to get acquainted with the review of the second part of this year's volume of the "Physics of Elementary Particles and Atomic Nuclei, Letters" journal that publishes the articles with results of the original theoretical, experimental, scientific and technical, methodical, and applied research.

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Books

Exhibition at S&T Library marking JINR Foundation Day

From 22 March to 5 April 2024, the JINR Science and Technology Library and the S&T branch at VBLHEP invite everyone interested to an exhibition presenting all JINR Annual Reports since 1964 and album books dedicated to the history of the Institute.

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Announcements

AYSS General meeting

Please note that the meeting will take place tomorrow, on 28 March, at 2:00 PM, at the Laboratory of Information Technologies at JINR and online on Webinar. The agenda includes the election of the Chairman of the Association of Young Scientists and Specialists for 2024–2025.

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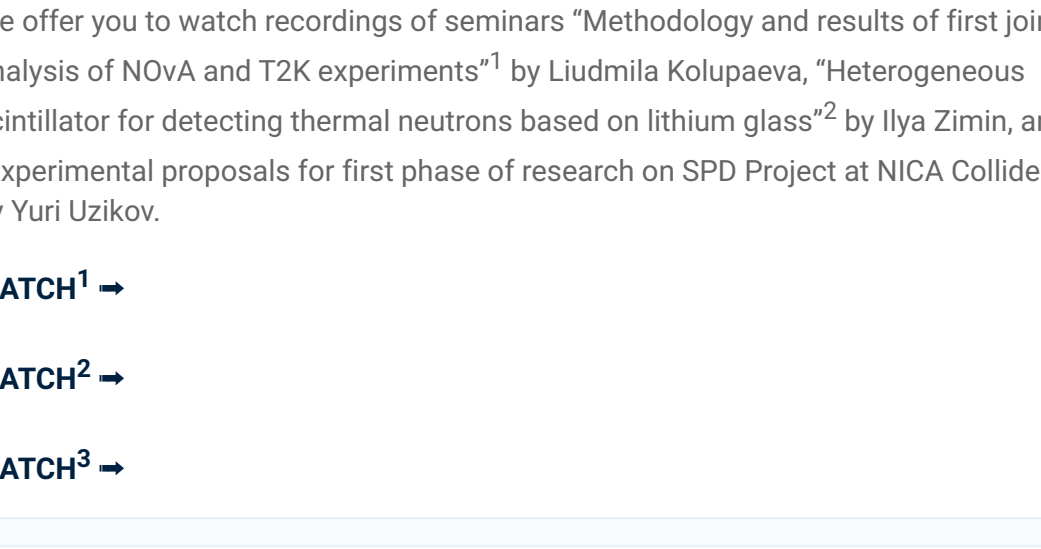
LRB JINR seminar: Molecular basis of intelligence

On 3 April, the Laboratory of Radiation Biology at JINR invites everyone interested to a seminar "Molecular basis of intelligence". The speaker is Corresponding Member of the Russian Academy of Sciences, Doctor of Chemistry, professor Sergey Varfolomeev.

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Call for AYSS JINR events organizers

If you would like to take part in holding scientific schools and conferences of the Association of Young Scientists and Specialists of JINR, as well as events centred around popular science, sports, culture, and entertainment, please contact ayss@jinr.ru. Please write a short note in your letter about the directions you are interested in.



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Abstract submission for FRPT 2024 conference starts

The 4th Flash Radiotherapy and Particle Therapy Conference (FRPT) brings together leading scientists in the field and provides a multidisciplinary forum that unites researchers and students with professionals working in clinical oncology. You can register [via the link](#) until 11:59 PM on 22 May.

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Call for applications for ISAMR 2024

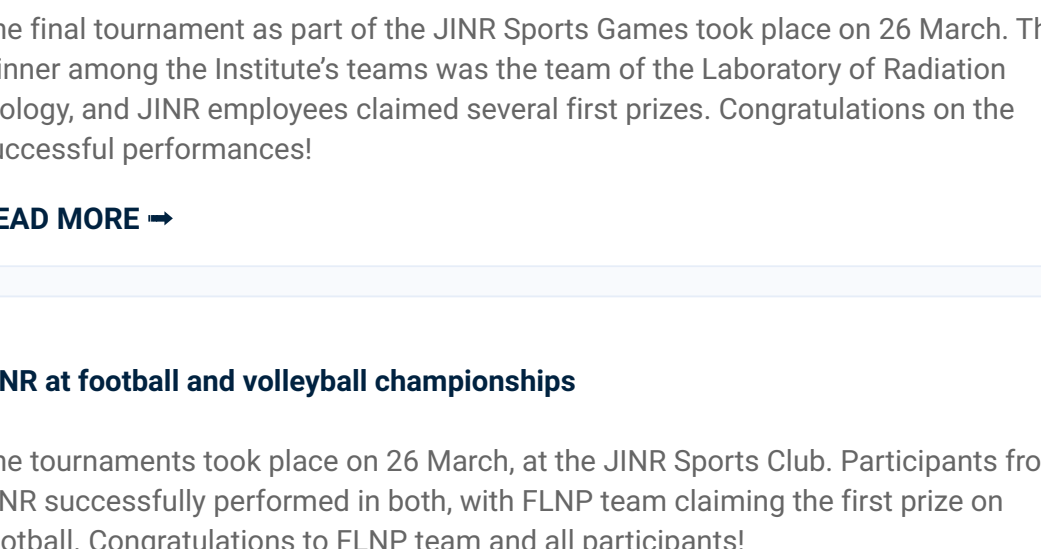
The 8th International Symposium on Advanced Material Research will take place in Incheon, South Korea, on 14–16 June. The event aims to present the latest research related to materials engineering. You can find information about registration [via the link](#) until 17 April.

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Media

VBLHEP JINR employee on Mir 24 TV channel

On 25 March, VBLHEP JINR Deputy Chief Engineer Konstantin Mukhin took part in the episode of the [Non]Fiction programme of the Mir 24 TV channel dedicated to the research conducted at the NICA Collider.



[WATCH →](#)

Russia-24 issues coverage about SHE factory

We offer you to watch a video dedicated to the fifth anniversary of the Superheavy Element Factory.

[WATCH →](#)

Diary of participant of Baikal-GVD expedition

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

[DAY 34 →](#)

[DAY 35 →](#)

[DAY 36 →](#)

[DAY 37 →](#)

[DAY 38 →](#)

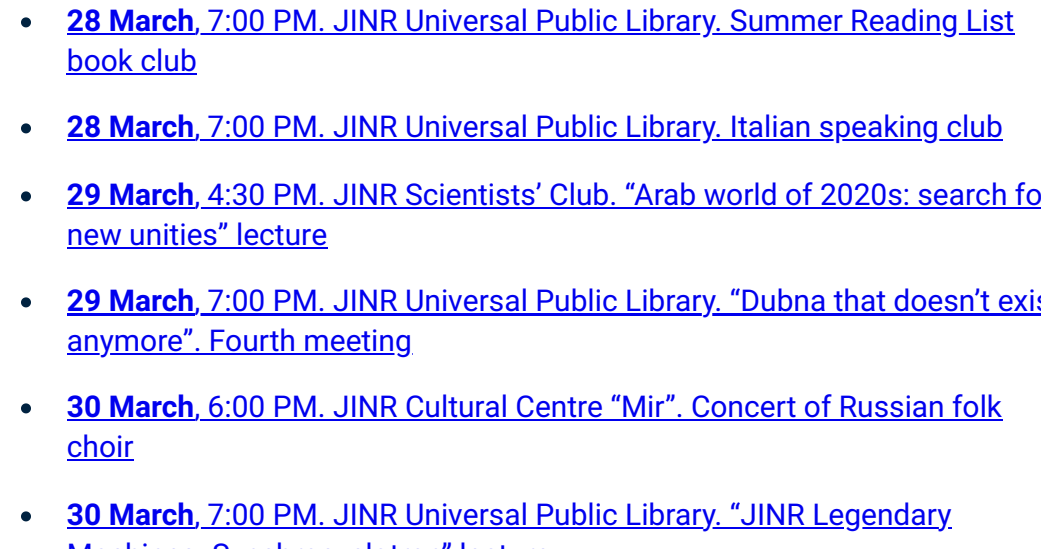
[DAY 39 →](#)

[DAY 40 →](#)

[DAY 41 →](#)

VBLHEP JINR scientist participates in radio programme

On the Vesti FM radio station, together with the programme's host, Deputy Head of the Accelerator Department at VBLHEP at JINR Anatoly Sidorin discussed the NICA Megascience Project and the results of the work of Russian scientists CERN.



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Seminar recordings

We offer you to watch recordings of seminars "Methodology and results of first joint analysis of NOvA and T2K experiments" by Ludmila Koluvaeva, "Heterogeneous accelerator for detecting thermal neutrons based on lithium glass" by Ilya Zimin, and "Experimental proposals for first phase of research on SPD Project at NICA Collider" by Yuri Uzbizov.

[WATCH¹ →](#)

[WATCH² →](#)

[WATCH³ →](#)

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

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Sports

JINR swimming achievements

At the tournament hosted by the Archimedes Swimming Pool, the members of the Laboratory of Nuclear Reactions took first place in the team competition, with the FLNP and VBLHEP teams coming second and third. Congratulations to the participants!

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Results of archery tournament

The JINR Nauka Stadium hosted an archery tournament, with both individual participants and teams performing successfully. Congratulations to the athletes!

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JINR employees at kettlebell lifting tournament

The final tournament as part of the JINR Sports Games took place on 26 March. The winner among the Institute's teams was the team of the Laboratory of Radiation Biology, and JINR employees claimed several first prizes. Congratulations on the successful performances!

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JINR at football and volleyball championships

The tournaments took place on 26 March, at the JINR Sports Club. Participants from JINR successfully performed in both, with FLNP team claiming the first prize on football. Congratulations to FLNP team and all participants!

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Skating tournament winners awarded

The tournament was part of the JINR Sports Games. On 26 March, the winners received medals and diplomas. Congratulations to the athletes!

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Upcoming Events

Conferences

- **25 – 29 March**, Scientific School of Physics Teachers of Irkutsk and Tomsk Regions
- **1 – 5 April**, Scientific session of Nuclear Physics section of Physics Division of RAS "Physics of Fundamental Interactions"
- **2 April**, Section of International Conference "Mathematics in Constitution of Sciences", dedicated to anniversary of Academician V. A. Sadovnichiy

Seminars

- **28 March, 11:00 AM**, MLIT, "Digital twins for solving management and development tasks of distributed data acquisition, storage and processing centers" by Daria Piskachina
- **28 March, 11:00 AM**, DLNP, "Roentgenology of 21st century: hybrid pixel detectors, energy-sensitive computed tomography and composite contrast" by Denis Shashurin, Evgeniya Selskova
- **28 March, 11:00 AM**, VBLHEP, "Determination of elemental composition of ore and coal using tagged neutron method" by Igor Razinikov
- **28 March, 2:00 PM**, MLIT, AYSS General meeting
- **28 March, 3:00 PM**, BLTP, "N=2 higher spins and supergravity in superspace" by Nikita Zaitsev
- **28 March, 3:00 PM**, FLNP, "Reflections on future of nuclear energy" by Alexey Kovallishin
- **28 March, 3:00 PM**, DLNP, "Development of detector systems and methods for registration and identification of particles for accelerator experiments" by Yuri Davydov
- **29 March, 2:30 PM**, BLTP, "A symmetric approach to the study of Wilson loops in three-dimensional Chern–Simons theory" by Elena Lanina
- **1 April, 10:00 AM**, VBLHEP, "Colliders" lecture series. Review by Valery Lebedev
- **3 April, 11:00 AM**, LRB, "Molecular basis of intelligence" by Sergey Varfolomeev

Culture

- **21 March – 21 April**, JINR Cultural Centre "Mir", "Enchanted by science" exhibition
- **28 March, 7:00 PM**, JINR Universal Public Library, Summer Reading List book club
- **28 March, 7:00 PM**, JINR Universal Public Library, Italian speaking club
- **29 March, 4:30 PM**, JINR Scientists' Club, "Arab world of 2020s: search for new utilities" lecture
- **29 March, 7:00 PM**, JINR Universal Public Library, "Dubna that doesn't exist anymore". Fourth meeting
- **30 March, 6:00 PM**, JINR Cultural Centre "Mir", Concert of Russian folk choir
- **30 March, 7:00 PM**, JINR Universal Public Library, "JINR Legendary Machines. Synchrocyclotron" lecture
- **30 March, Trip** by JINR Scientists' Club
- **3 April, 7:00 PM**, JINR Cultural Centre "Mir", Dubna Symphony Orchestra concert

Sports

- **31 March, 10:00 AM**, JINR Nauka Stadium, XXV JINR Sports Games, Basketball
- **31 March, 11:00 AM**, JINR Nauka Stadium, XXV JINR Sports Games, Chess

For Kids

- **28 March, 5:00 PM**, JINR Universal Public Library, Little Owls children's book club
- **30 March, 1:00 PM**, JINR Universal Public Library, Meeting of debating club for teenagers

[ALL JINR EVENTS →](#)

