

JINR Newsletter #27, 24 July 2025

Dear colleagues and friends,

In its agenda, JINR consolidates the national S&T priorities of its Member States. This week, representatives of ITMO University, Russia, visited the Joint Institute to discuss scientific cooperation and experience exchange. A delegation of Vietnamese physicists and engineers has arrived to the Laboratory of Nuclear Problems at JINR. In the coming months, they will take part in research and acquire expertise necessary for the launch of Vietnam's national programmes.

Two JINR conferences for young scientists and specialists have recently finished: Baikal Summer School on Elementary Particle Physics and Astrophysics as well as Lipnya Summer School. Such events are a great opportunity to strengthen ties with colleagues from JINR and other research organizations, while offering students a valuable platform to jumpstart their scientific careers at the Joint Institute.

Scientists from the Laboratory of Neutron Physics at JINR and the Paleontological Institute of the Russian Academy of Sciences have discovered that mussels from different parts of the world form shells with the same crystallographic texture. The study may contribute to the creation of materials with specified properties based on an organic matrix. Read about this discovery and much more in the latest issue of the JINR Newsletter.



Telegram
@jinrofficial

Cooperation

JINR discussed prospects for cooperation with ITMO

On Tuesday, 22 July, a delegation from ITMO University, led by Rector Vladimir Vasilyev, visited JINR. The key topics of the meeting with the JINR Directorate were the scientific cooperation development, experience exchange, and ways to involve youth in science.



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Cooperation with young scientists of Vietnam intensifies at DLNP at JINR

A group of physicists and engineers from Vietnam has arrived to the Laboratory of Nuclear Problems at JINR. In the coming months, Vietnamese specialists will work in DLNP departments, participating in research and acquiring expertise necessary for the launch of Vietnam's national programmes.

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Schools

Science outdoors: results of Lipnya-2025 Summer School

From 18 to 20 July, the 29th Summer Scientific School took place at the JINR Lipnya Tourist Resort. The event organized by the JINR Association of Young Scientists and Specialists gathered almost 70 participants. The programme included lectures, master classes, along with sports and sociocultural activities.



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25th Baikal Summer School on Elementary Particle Physics and Astrophysics finished

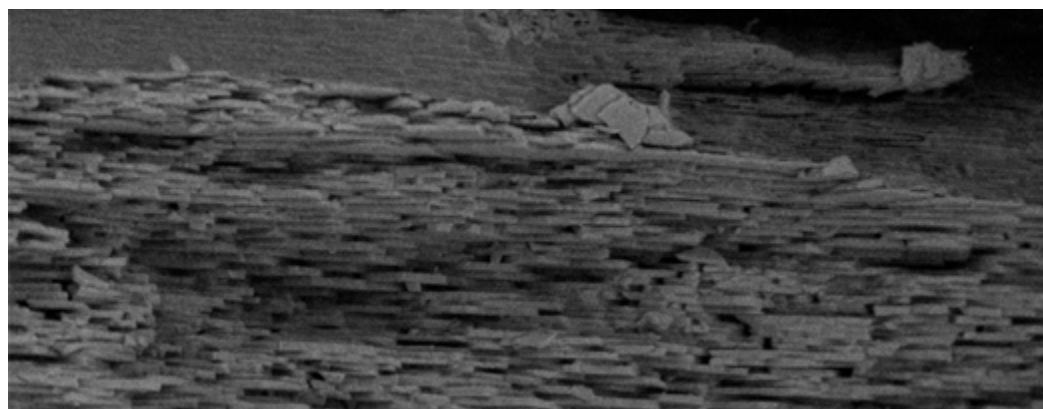
The school organized by JINR and the Irkutsk State University (ISU) took place in the village of Bolshiye Koty, at the ISU Baikal Biological Station, from 11 to 18 July. This year the event was held with the informational support of Decade of Science and Technology in Russia and sponsorship for MSU students.

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Research

Mussels from different parts of world share similar crystal orientation in shells

Scientists of FLNP at JINR and the RAS Paleontological Institute compared the crystallographic texture of the shells of two species of the Mytilidae family. Despite the significant differences in the lifestyle, the texture of minerals in their shell turned out to be practically the same.



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Awards

Sergey Dmitriev received Order of Friendship

On 17 July, JINR Vice-Director, Doctor of Physics and Mathematics Sergey Dmitriev was honoured with a Russian state award, the Order of Friendship, for his scientific contributions and many years of distinguished work.



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Books

New Book Acquisitions exhibition in S&T Library

From 21 July to 8 August, the JINR Science and Technology Library is hosting the New Book Acquisitions exhibition. You can find publications on history of science and the atomic project, autobiographical and philosophical works, textbooks on discrete mathematics and quantum computing, and much more.

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Announcements

Registration for NPRM conference opened

From 27 to 30 October, the Neutron Physics and Radiation Materials International Scientific Conference will take place in Yerevan, the Republic of Armenia. The conference is organized jointly by FLNP at JINR and the Alikhanyan National Science Laboratory. Registration is available [via the link](#) until 29 August.

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Media

Baikal Summer School turns 25

Marking the anniversary of the Baikal Summer School, a DLNP JINR employee Anastasia Malyskina prepared a video. You are welcome to watch a short film featuring videos shot by the Baikal School participants of different years.



[WATCH →](#)

Seminar recording

We invite you to watch a recording of the seminar "Development of precision wire detectors and creation of a facility for studying muon decays" by Yuri Davydov.

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Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper #26 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Upcoming Events

Training

- [20–25 July. "Advanced methods of modern theoretical physics: integrable and stochastic systems" international school. BLTP at JINR](#)
- [26 July – 15 August. 37th International Computer School and 3rd Teachers of the Future workshop. JINR, Kadyshesky Physics and Mathematics Lyceum, Dubna](#)

Seminars

- [28 July, 11:00 AM, BLTP Journal Club, "New evidence suggests dark energy is weakening" by Chitta Ranjan Das](#)
- [28 July, 12:00 PM, LRB, "Laser control of low-frequency dynamics and energy transfer processes in molecular isotropic media" by Victor Nikiforov](#)
- [31 July, 11:00 AM, VBLHEP, Scientific and methodological seminar](#)
- [31 July, 3:00 PM, LRB, "Research & development programme for proton therapy in Argentina" by Andrés Arazi, Jesús Figari](#)

Culture

- [15 July – 10 August, Daily from 1:00 to 7:00 PM \(except Monday\), JINR Mir Cultural Centre, Painting exhibition](#)
- [24 July, 6:00 PM, JINR Universal Public Library, English speaking club](#)
- [24 July, 6:30 PM, JINR Universal Public Library, "Moscow-Volga Canal role in history of Dubna" lecture](#)
- [24 July, 7:00 PM, JINR Universal Public Library, Hairpin book club](#)
- [25 July, 6:00 PM, JINR Universal Public Library, JINR Cinema Club](#)

[ALL JINR EVENTS →](#)