

JINR Newsletter #28, 30 July 2025

Dear colleagues and friends,

As Dubna's backbone enterprise, the Joint Institute actively contributes to the development of a significant part of town's infrastructure. Last week, the Institute's Directorate met with representatives of the Association of Innovative Regions of Russia to discuss possible mechanisms to support the development of science cities.

Researchers from JINR, Dubna University, and Kazakhstan's Institute of Nuclear Physics have developed an over 10,000-cycle lifespan lithium-ion capacitor. Made from activated carbon, it shows strong resistance to harsh conditions and offers long-term energy solutions for modern electronics.

Natural Science Review is accepting articles for the issue marking the 70th anniversary of JINR. Authors from all over the world are welcome to send papers, including the Institute's current and former employees and colleagues from other research centres. Read about this and much more in the latest issue of the JINR Newsletter.



Cooperation

Visit of Association of Innovative Regions of Russia to JINR

the Laboratory of High Energy Physics.

On 24 July, AIRR Director Alexander Smekalin and AIRR Project Manager Dmitry Mitroshin visited the Joint Institute for Nuclear Research. AIRR representatives met with the JINR Director Grigory Trubnikov and toured the NICA Accelerator Complex at

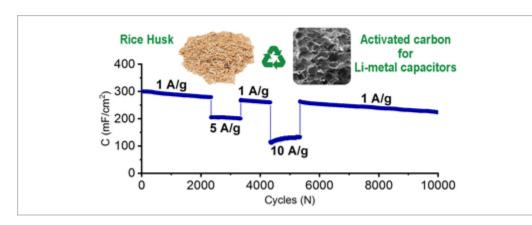


READ MORE →

Research

Li-ion capacitor based on biowaste developed with JINR participation

Scientists from JINR, Dubna University, and Kazakhstan's Institute of Nuclear Physics developed an over 10000-cycle lifespan lithium-ion capacitor. Made from activated carbon sourced from rice husks and walnut shells, it shows strong resistance to harsh conditions, offering long-term energy solutions for electronics.



READ MORE →

Schools

"Physics. Mathematics. IT" summer school finished

The event organized by Dubna State University, JINR, and the Ministry of Science and Higher Education of the Russian Federation provided high schoolers with master classes, popular science lectures, and tours to the JINR laboratories. The students defended their projects at the end of the programme.



READ MORE →

JINR hosts Teachers of Future seminar on project-based learning

From 26 to 31 July, the 3rd Teachers of the Future educational workshop is taking place at the JINR University Centre. Students, teachers, and schoolchildren from different regions of Russia are participating in the event. The goal is to teach future teachers the basics of research and engineering using advanced methodologies.

READ MORE →

Announcements

Articles accepted for Natural Science Review issue marking JINR anniversary

Natural Science Review's editorial board is accepting articles for the journal's special issue marking the upcoming 70th anniversary of JINR. Authors from all over the world are welcome to send articles, including the Institute's current and former employees as well as colleagues from other scientific centres. The deadline for article submission is 31 December 2025.



READ MORE →

Dubna to host International Tennis Tournament

On 2–3 August, the 26th International Doubles Tennis Tournament, dedicated to the outstanding physicists Boris and Venedikt Dzhelepov, will take place at the JINR

Sports Club courts. All fans of this sport are welcome to take part in the competition. **READ MORE** →

Autumn IT School invites JINR employees

From 6 to 10 October, MLIT invites JINR employees to supervise students' projects at the Autumn School on Information Technology. If you are interested, please contact the School's Scientific Secretary Daria Priakhina until 24 August via itschool@jinr.ru.

READ MORE →

Media

Dubna through the eyes of great artists

The JINR Telegram channel has published Al-generated images of the Institute's sites, inspired by the works of world-famous artists. Take a shot at the quiz and find out which authors were referenced in the post.



READ MORE →

Upcoming Events

Training

• <u>26 July – 15 August, 37th International Computer School and 3rd Teachers</u> of the Future workshop. JINR, Kadyshevsky Physics and Mathematics Lyceum, Dubna

Seminars

- 31 July. 11:00 AM. VBLHEP. "Electromagnetic compatibility of measuring systems, power equipment, and pulsed power sources on example of TPC detector (MPD facility, NICA Complex)" by Igor Balashov
- 31 July. 11:00 AM. VBLHEP. "Accelerator driven systems: status and prospects" by Michaela-Maria Paraipan
- 31 July. 3:00 PM. LRB. "Research & development programme for proton therapy in Argentina" by Andrés Arazi, Jesús Figari • 4 August. 11:00 AM. BLTP Journal Club. "Observation of charge-parity
- symmetry breaking in baryon decays" by Chitta Ranjan Das • 4 August. 3:30 PM. BLTP. "Resonances in the three-neutron system within SS-HORSE-NCSM approach" by Igor Mazur

Culture

- 15 July 10 August. Daily from 1:00 to 7:00 PM (except Monday). JINR Mir Cultural Centre. Painting exhibition
- 31 July. 6:00 PM. JINR Universal Public Library. English speaking club • 31 July. 6:30 PM. JINR Universal Public Library. Poetry evening
- 31 July. 7:00 PM. JINR Universal Public Library. Summer Reading List book <u>club</u>
- 1 August. 6:00 PM. JINR Universal Public Library. JINR Cinema Club

Sports

• 2-3 August. 10:00 AM. JINR Tennis Courts. 26th Dzhelepov Cousins **Tennis Tournament**

© Joint Institute for Nuclear Research