



JINR Newsletter #30, 3 August 2023

Dear colleagues and friends,

This week is marked by new meetings. JINR youth took part in the doors open day of the Tensor Plant. Participants of the School "Physics. Mathematics. IT" got acquainted with the NICA Accelerator Complex. And our masters, Yuri Oganessian and Vladimir Kekelidze, became heroes of the Faces of Science project aimed to introduce young people to the bright specialists of the scientific world.

New publications and scientific cooperation, sports events, and August wallpapers for your smartphones are in this issue of the JINR Newsletter!

JINR Press Office



Research

Properties of Dsup DNA protein of tardigrades studied in Pohang

In July, JINR staff members conducted the first studies at the experimental station of the 4C Small Angle X-ray Scattering II PLS synchrotron radiation source at the Pohang Accelerator Laboratory (PAL) in Pohang, South Korea. The obtained data will allow scientists to experimentally establish the structural properties of the Dsup unique protein of tardigrades and the peculiarities of its interaction with DNA.



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Education

Excursion to JINR for senior pupils

A VBLHEP JINR employee Tatiana Kudinova conducted a tour for senior pupils participating in the VII Summer School "Physics. Mathematics. IT". All the guides at JINR are scientists of the Institute, who decided to popularise science and information about our organization.



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JINR Youth

AYSS at Tensor doors open day

On 1 August, the AYSS delegation visited the Tensor doors open day as part of the celebration of the 55th anniversary of the establishment of the factory. JINR youth got acquainted with the history of the instrument factory and its products, watched the work of automated lines for the assembly of electronic devices.



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Publications

Refinement of optical constants for bubble chambers

The JINR Publishing Department has issued a preprint "Refinement of optical constants for bubble chambers" P10-2023-19. The authors are Alexander Belyaev (VBLHEP JINR) and Victor Rikhvitsky (MLIT JINR).

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Polynomial approximation of magnetic field for track detector

We offer to your attention a preprint "Polynomial approximation of magnetic field for track detector" P1-2023-20 issued by the JINR Publishing Department. The authors are Alexander Belyaev (VBLHEP JINR), Victor Rikhvitsky (MLIT JINR).

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Media

JINR scientists in Faces of Science project

The Ministry of Science and Higher Education of Russia has published two videos with JINR scientists as part of the Faces of Science project. RAS Academician Yuri Oganessian talks about the synthesis of superheavy elements and JINR Vice-Director Vladimir Kekelidze speaks about research at the NICA Accelerator Complex.

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August wallpapers for your smartphone!

Dubna, a cosy town on the banks of the Volga River, is famous for its red sunsets, fragrant pine forests, and calm atmosphere. Yellow cottages, one of which is depicted on the first wallpaper, are very popular with Dubna residents and guests of the city. They were built back in the 1950s for scientists working at JINR. The second image shows the building of the Laboratory of Nuclear Reactions JINR.



DOWNLOAD →

Podcast with JINR scientist

The 20th Summer School on the Volga bank is in full swing, and its participants are busy working on their projects. Last year, a series of popular science podcasts "RI WOW (Research Institute of Witchcraft and Otherworldly Wizardry)" was created. In the first episode of the popular science podcasts, an LRB JINR researcher Yuri Severyukhin explains where radiation comes from.

WATCH →

LISTEN →

Coverage about winner of International Physics Olympiad

The Alonta Film TV company has released a coverage about the winner of the International Physics Olympiad Daniil Rynkevich, which was filmed at VBLHEP JINR. This coverage is a part of the documentary series about winners of International School Subjects Olympiads "Faster! Higher! Smarter!".



WATCH →

Video about past week JINR events

We offer you to watch bright past week events from the life of JINR and the city covered in one video.

WATCH →

Announcements

Workshop of Blokhinka volunteers

Please feel free to join the workshop of JINR Universal Public Library's volunteers! This is a practical course with specific techniques for organizing and promoting events using examples of existing children's and adult library formats. The event will be held from 15 August to 2 September.

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Discount on JINR sports facilities

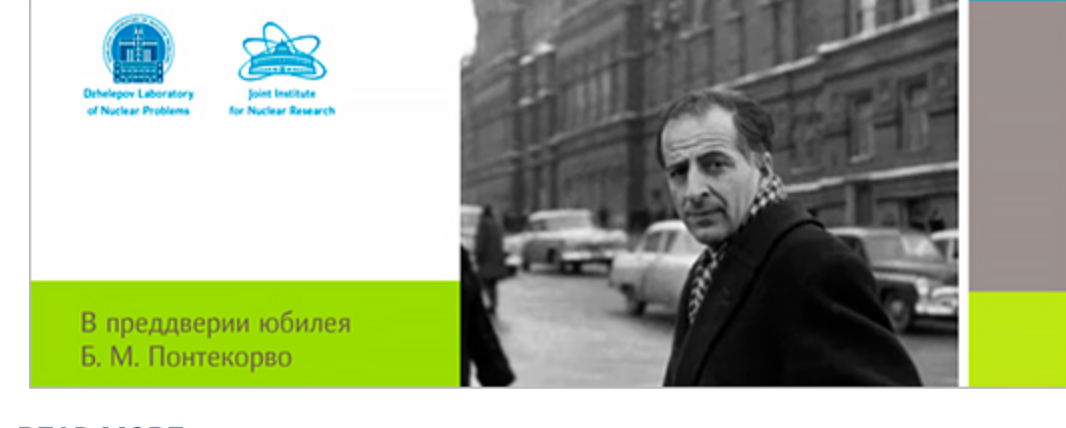
From September, the Archimedes Swimming Pool begins to work, and the JINR Stadium "Nauka", as well as the JINR Sports Club continue their work. If you want to get a 50% discount on a subscription, please write to aysssport@jinr.ru.

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Recalling founders

Bruno Pontecorvo

22 August marks the 110th anniversary of the birth of Bruno Pontecorvo, an outstanding Italian and Soviet scientist who worked at JINR. The DLNP Group of Scientific Communication has prepared a series of publications on Pontecorvo's biography. In this article, you will learn about Bruno Pontecorvo's life in the USSR, work at JINR, and teaching.



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Sports

XXIV Dzhelapov Brothers Tennis Tournament

The XXIV Tennis Tournament will be held at the JINR Archimedes Swimming Pool at weekends, on 5 and 6 August. The tournament is organized in memory of outstanding physicists, cousins Venedikt and Boris Dzhelapov. Everyone keen on tennis is kindly invited!



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Tennis tournament

On 30 July, a tennis tournament dedicated to the Dubna City Day was held at the JINR Tennis Courts next to the JINR Cultural Centre "Mir". 26 athletes took part in it.

FIND OUT results →

Upcoming Events

Culture

- [3 August 7:00 PM, JINR Universal Public Library Book club "Summer Reading List", discussing a book "The Sun Also Rises" by Ernest Hemingway](#)
- [4 August 6:00 PM, JINR Universal Public Library English speaking club](#)
- [4 August 6:30 PM, JINR Universal Public Library Dubna intellectual games club](#)
- [9 August 7:00 PM, JINR Universal Public Library Book club "Summer Reading List", discussing a book "Snowflake" by Louise Nealon](#)

Sports

- [5 - 6 August 9:00 AM, Mendeleev Embankment, IV Beach Volleyball Festival "Moscow Sea Cup"](#)
- [5 - 6 August 10:00 AM, Archimedes Swimming Pool, XXIV Dzhelapov Brothers Tennis Tournament](#)

ALL JINR EVENTS →

