

SCIENCE BRINGS NATIONS TOGETHER



JOINT INSTITUTE FOR NUCLEAR RESEARCH

JINR Newsletter #21, 18 August 2022

Dear colleagues and friends,

People are the main resource in the development of science. That is why the Moscow Region actively supports young employees of high-tech enterprises. Seven JINR scientists received certificates for social mortgages on preferential terms from the Region.

The range of applied tasks that will be solved at the NICA complex is expanding. High-energy neutrons produced at it can be used to test neutron detectors.

The continuation of the interview with JINR Director Grigory Trubnikov, a new patent and a new preprint, competitions on Lake Valdai, and other news - find all this in the new issue of our Newsletter!

JINR Press Office



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JINR Youth

Social mortgage for young JINR scientists

A ceremony of awarding certificates for social mortgages to young scientists and unique specialists was held at the House of Moscow Region Government. Seven scientists from the Joint Institute received housing subsidies this year.



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Research

VBLHEP accelerators of charged particles can be used as source of neutrons

With the help of the NICA complex under construction at VBLHEP JINR, it is

already possible to produce various particles, including neutrons with energies higher than those at IBR-2 and IREN in FLNP JINR. Such neutrons are employed to test neutron detectors that will be used at JINR accelerators and in other world scientific centres. This will be one of the applied tasks fulfilled within the megascience project.



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Assemble of detectors for accelerators will be faster and easier

The new JINR invention will simplify the assembly process of scintillation detectors of a complex profile. A single detector module can consist of an array of single scintillation cells of any geometric shape. The new method will maintain the accuracy of cell positioning and ensure the repeatability of sizes and mutual positioning of the detector elements.

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Media

Radio programme with JINR Director. Part 2

The second part of the interview with JINR Director Grigory Trubnikov was released on the Praesens Historicum radio programme. He spoke about the early universe, neutron stars, the NICA collider, and technologies that work 20 years ahead of schedule.



LISTEN ➡

Physics Workshop Element 105 at Summer School 2022

Watch the video about the main event of this summer the Physics Workshop "Element 105".

WATCH ➡

JINR scientist in a podcast by Sputnik Radio

Maria Savina (VBLHEP) speaks about the most significant discovery in physics of the XX century - the Higgs boson.

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Publications

JINR Publishing Department released new preprint

“Extrapolation of the energies of the 2_1^+ , 4_1^+ , 6_1^+ states in the superheavy even–even nuclei” E6-2022-19. The authors are I. N. Izosimov and A. D. Efimov.

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People of JINR

Paintball game

On 20 August, AYSS organises a paintball game. For your convenience, a shuttle service will be provided from 6, Joliot-Curie str. to the venue and back. Number of participants is limited. Registration is available via the [link](#).

Announcements

NICA Vector

The NICA Vector School for Young Engineers begins a new academic year. We invite children from 7 years old.

WATCH ➡➡

Sports

Hot weekend in Valdai

On 13 August, Valday Swim was held. A coach of the Archimedes Swimming Pool and the Dubna Sports School Maria Alikina competed in the 1,900 meter race. Maria took the first place in the overall standings among women. On 14 August, Valday Ultra Trail 2022 was held. Maria Alikina participated in the 5 km race and took the 3rd place among women.



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Upcoming Events

Culture

- [5 - 21 August 2022, daily from 3:00 to 7:00 PM. JINR Cultural Centre “Mir”. Art exhibition by Vlad Kravchuk and Yana Mikhailova](#)

- [18 August 2022](#), at 7:00 PM. JINR Universal Public Library. Book club “Summer Reading List”: discussing the book “The Screwtape Letters” by C. S. Lewis
- [19 August 2022](#), at 6:30 PM. JINR Universal Public Library. Dubna intellectual game’s club
- [25 August 2022](#), at 7:00 PM. JINR Universal Public Library. Meeting of the book club “Hairpin”: discussing the book “Fried Green Tomatoes at the Whistle Stop Cafe” by Fannie Flagg

ALL JINR EVENTS →

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