

SCIENCE BRINGS NATIONS TOGETHER



JOINT INSTITUTE FOR NUCLEAR RESEARCH

JINR Newsletter #18, 28 July 2022

Dear colleagues and friends,

JINR is celebrating the City Day together with the whole of Dubna. It is customary to give gifts on the birthday, and the Institute is opening the exhibition "Hall of the Joint Institute for Nuclear Research" in the Dubna Museum. At the same time, the exhibition will be the first of the events of the JINR additional programme in the frames of the International Year of Basic Sciences, one of the organisers of which is the Institute.

The exhibition opens on Friday at 6:30 PM in the building of the Bolshaya Volga station. The exhibition will be open until 1 September 2023. Everyone is welcome to join!

In the new issue of the JINR Newsletter, we are covering the JINR's participation in the creation of the International Research Centre based on the advanced Russian research reactor MBIR. Also, we are telling you about the milestones of the Arctic scientific expedition, in which JINR scientists have participated. And about the new award to the Institute's scientific youth. The latest issue of the NICA Bulletin is about the progress of the creation of the complex. In addition, you can find interviews with our scientists at the Summer School and much more.

There is an extensive holiday weekend programme ahead. Happy birthday, beloved Dubna!

JINR Press Office



Telegram
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Happy Birthday, Dubna!

JINR Director's congratulations on City Day

Congratulating citizens and guests of the city on the holiday, JINR Director Grigory Trubnikov noted that JINR was striving to contribute to the development of Dubna, including as a tourist centre, which positions itself as a city of science and high technology. For this purpose, the JINR permanent exhibition is opening in Dubna. Academician Trubnikov expressed confidence that Dubna would have a bright future.

ПОЗДРАВЛЕНИЕ
ДИРЕКТОРА ОИЯИ
ГРИГОРИЯ ТРУБНИКОВА
С ДНЕМ ГОРОДА ДУБНЫ



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Cooperation

At first meeting of Advisory Board of MBIR Reactor International Research Centre

Vice-Director Latchesar Kostov and FLNP Director Valery Shvetsov have taken part in the first meeting of the Advisory Board of the International Research Centre based on the multi-purpose research reactor that is under construction in Dimitrovgrad, Ulyanovsk region of the Russian Federation.



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Awards

RAS Medal awarded to young JINR scientist

A young JINR theoretical physicist Andrey Pikelner has received a medal of the Russian Academy of Sciences for a series of scientific papers "Multi-loop calculations and their applications to various models of quantum field theory".



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JINR Publicity

JINR exhibition as gift to city

For the City Day celebration, JINR is opening a permanent exhibition dedicated to the Joint Institute in the Dubna Museum in the building of the Bolshaya Volga station. The exhibition "Hall of the Joint Institute for Nuclear Research" will open on 29 July and will be available to everyone until 1 September 2023.



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Research

Scientists of FLNP JINR studying mosses and snows of Russian Far North

According to the results of the Arctic expedition, scientists of FLNP JINR Marina Frontasyeva and Nikita Yushin are studying the heavy metal deposition on mosses of the Russian Far North and the cosmic dust fallen in the polar snows.



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JINR-Egypt cooperation in field of nuclear spectroscopy

JINR and Egypt cooperate in the field of nuclear spectroscopy studying the interaction between graphene quantum dots (GQDs) and graphene oxide to create a cost-efficient and environmentally friendly biosensor. This and other areas of cooperation were discussed at the meeting in FLNP.

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BM@N news

Creation of a vacuum channel for the extracted beam from the Nuclotron of the VBLHEP accelerator complex.

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Education

Moscow International School of Physics 2022

JINR is hosting the Moscow International School of Physics 2022. World-class scientists are delivering lectures to young scientists from Belarus, Bolivia, Kazakhstan, and Russia. Skiing is the tradition of this School, which is usually a winter one. The programme specifically provides time for this activity in the middle of the day. This time, the School is taking place in the summer, but the tradition is observed!



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About past International Computer School

At the 34th JINR International Computer School, 41 children from all over Russia have carried out projects on physics, biology, mathematics, IT, programming, and the basics of engineering. You'll never guess what has appeared in the programme this year - a costumed joust!

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Announcements

Postgraduate studies

Applications for postgraduate studies at the State University "Dubna" are being accepted for the following directions:

1.3.3 Theoretical Physics

1.3.15 Physics of atomic nuclei and particle physics, high energy physics

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Publications

Fresh NICA Bulletin

The seventh issue of the NICA Bulletin has been published reviewing the progress of the implementation of the JINR flagship international project "NICA Complex". The headlines of the new issue: milestones of past Coordination Committee meeting, news from MPD Collaboration, and much more.



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New issue of “Particles and Nuclei, Letters”

The fourth issue of the journal “Particles and Nuclei, Letters” #4 has been published with results of the original theoretical, experimental, scientific-technical, methodical, and applied research.

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Media

JINR at Summer School

Two “golden” lectures were delivered by JINR scientists at the Summer School. FLNR Scientific Secretary Alexander Karpov spoke about the way of synthesising superheavy elements. FLNP Director Valery Shvetsov devoted his lecture to instruments and methods of nuclear planetology. JINR Director Grigory Trubnikov visited the Summer School. In his interview, he talked about what it meant to be a modern scientist, how the Institute operated and NICA was doing, as well as about the dream of the JINR Director.

WATCH interview with Grigory Trubnikov ➡➡

READ interview with Valery Shvetsov ➡➡

WATCH interview with Alexander Karpov ➡➡

JINR Weekly Newspaper issued

New issue of the JINR Weekly Newspaper #28 has been published. Please note that you can read an English version on the JINR Newspaper’s website.

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Sports

XXIII Dzhelepov Brothers Tennis Tournament

On 6 and 7 August 2022, the XXIII Tennis Tournament will be held on the JINR Tennis Courts near the Archimedes Swimming Pool. Everyone keen on tennis is kindly invited!



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Upcoming Events

Conferences

- [24 July – 2 August 2022, Moscow International School of Physics – 2022, International Conference Hall, Dubna](#)

Seminars

- [28 July 2022](#), at 11:00 AM, MLIT. “Optimisation of the Ring Imaging Cherenkov photodetector shielding box for Compressed Baryonic Matter experiment” by P. G. Akishin, V. P. Ladygin
- [2 August 2022](#), at 11:00 AM, MLIT. “Method for simulating thermal processes in metals irradiated by particles on basis of development and combination of thermal spike and molecular dynamics models” by Z. K. Tukhliev and “Analysis of quantum simulators and quantum algorithm modeling on “Govorun” supercomputer” by O. V. Ivancova

Culture

- [28 July 2022](#), at 7:00 PM. JINR Universal Public Library. Meeting of the book club “Hairpin”: discussing the book “Snow Flower and the Secret Fan” by Lisa See
- [30 July 2022](#), at 3:00 PM. JINR Cultural Centre “Mir”. Closing of art exhibition of works by Vlad Kravchuk and Yana Mikhailova

ALL JINR EVENTS →

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