

SCIENCE BRINGS NATIONS TOGETHER



JOINT INSTITUTE FOR NUCLEAR RESEARCH

JINR Newsletter #8, 19 May 2022

Dear colleagues and friends!

The Institute has an eventful week ahead. On 25 May, one of the central events of the year at JINR will take place, i.e. the session of the Committee of Plenipotentiaries of the Governments of the JINR Member States. The meeting of the JINR Finance Committee will traditionally precede the session.

On 26 May, the Institute will celebrate the 65th anniversary of the legendary Laboratory of Nuclear Reactions. Several generations of scientists from the Flerov Laboratory make up the glory of the international scientific centre in Dubna, and some of them are immortalised (and, for sure, will still be) in Mendeleev's Periodic Table. In honour of a special birthday, a surprise awaits you in the JINR Telegram Channel this week, so please subscribe <https://t.me/jinrofficial>!

Well, and as usual, there is science, life, geography of our Institute, and new media projects in the JINR Newsletter.

JINR Press Office



Telegram
[@jinrofficial](https://t.me/jinrofficial)

Information of JINR Directorate on current situation

Please, get acquainted with an official information of the Directorate of the Joint Institute for Nuclear Research on the current situation. Latest update: 19 May 2022.

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Visits

FEFU Rector's visit

The agreement on the establishment of the Information Centre of the Joint Institute at the Far Eastern Federal University was signed on 13 May. The Infocentre is only preparing for official opening, but work is already in full swing.



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Conferences & Meetings

JINR in development of scientific cooperation between Russia and Belarus

On 18 May 2022, JINR Director RAS Academician Grigory Trubnikov took part in a joint meeting of the boards of the Ministry of Science and Higher Education of the Russian Federation, the Ministry of Education of the Russian Federation, the Ministry of Education of the Republic of Belarus, and the State Committee on Science and Technology of the Republic of Belarus.



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Series of seminars starting

The Association of Young Scientists and Specialists of JINR has launched a series of seminars that will be held in the hall of the JINR Scientists' Club on Thursdays at 4:00 PM. The first seminar of the series will take place on 19 May. Yuri Malyshkin, a postdoc from DLNP, will present the report "Baikal-GVD: at the origins of neutrino astronomy".

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MISP-2022

Registration is open for the Moscow International School of Physics-2022. The event will take place from 24 July to 2 August 2022 in the JINR International Conference Hall.

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Anniversary Workshop

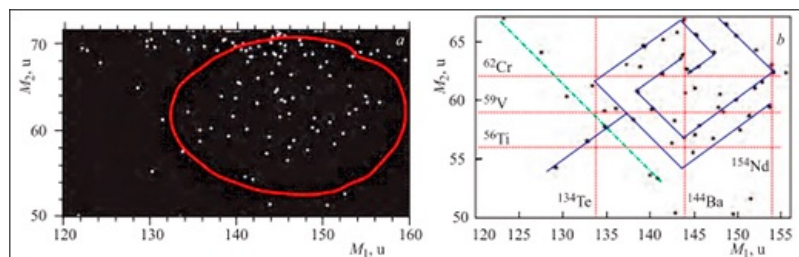
Registration is open for the international scientific workshop dedicated to the 20th anniversary of JINR participation in Dimuon Physics Programme within the CMS experiment at the LHC (Dimuons at the LHC), which will be held on 23 – 24 June.

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Research

Deep learning to study nuclear reactions

The research by JINR scientists A. Ososkov, Yu. V. Pyatkov, M. O. Rudenko is devoted to simulation and analysis of fine structure properties in mass distributions of nuclear reaction products by deep learning methods.



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Education

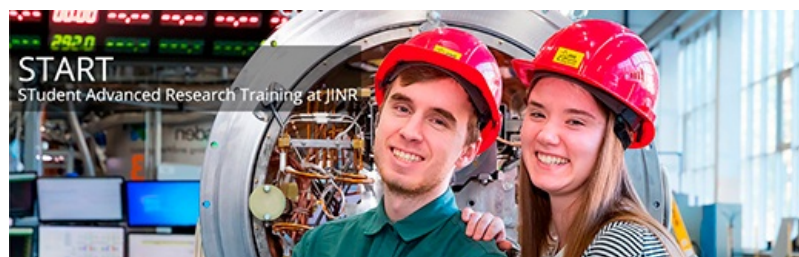
Young biophysicists presented their research results

The Laboratory of Radiation Biology JINR hosted an online biophysical seminar. Students, postgraduates, and young specialists of the Department of Biophysics of Dubna State University presented their scientific projects at the seminar.

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New START

JINR Summer Student Programme has started its work under the new name – START: STudent Advanced Research Training at JINR. The website students.jinr.ru has been updated. The Programme facilitates the process of searching for talented young specialists for interested JINR staff members. As a result, young people are invited to do a part-time internship at the Institute.



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Two-week training for FEFU students concluded

A two-week training for FEFU students, which combined online lectures and engineering practice, allowed students to gain new knowledge. Several students have already been offered to do advanced-level UC engineering lab works by their training supervisors.

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Start of registration for Wave 7 of INTEREST programme

The JINR University Centre is launching Wave 7 of the INTEREST programme for students from all over the world. The Programme will allow students to get acquainted with activities of the Institute and conduct research projects remotely. It will become an excellent preparatory basis for future implementation of more large-scale projects.

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News of JINR's Information Centres

Khetagurov North Ossetian State University

The JINR Information Centre at the Khetagurov North-Ossetian State University is now preparing to host already traditional Summer IT School for young scientists "Computer technologies for scientific and applied tasks – CTST.2022". The School will be held for the fourth time. New physics workshops have been developed in the JINR Information Centre at NOSU. The Infocenter at NOSU continues extensive scientific activities, engaging in the scientific orbit not only NOSU students but also students of the Kabardino-Balkarian State University and the North Caucasus Mining and Metallurgical Institute.



[MORE INFO on NOSU IC WEB PAGE ➡](#)

People of JINR

Head of the Sector of Low Temperatures speaking about its creation

A section "History of the Sector of Low Temperatures" is on the DLNP JINR website now. Its author, Yuri Andreevich Usov, tells us how the Sector was established, and also about its staff members, research areas, and discoveries.

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Time's Witnesses: Aleksandr Demidovich Konin

An interview with Aleksandr Demidovich Konin (02.11.1926 – 29.10.2021), a participant of the Great Patriotic War, a staff member of the Dzhelepov Laboratory of Nuclear Problems from 1958 to 2021.

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Media

Fantastic microbes and where to find them

In this issue of comics, you will learn about a recent discovery by DLNP biologists at the Baksan Neutrino Observatory INR RAS located at a depth of more than two kilometres under the Andyrchi Mountain in Kabardino-Balkaria.



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Podcast "NICA collider: time machine that will take you to moment of Big Bang"

We invite you to listen to the Sputnik Radio podcast "NICA collider: time machine that will take you to moment of Big Bang"

LISTEN →

Training for FEPU students

A video is about a two-week training for 2nd and 3rd year students of the Institute of High Technologies and Advanced Materials of the Far Eastern Federal University at JINR.

WATCH →

VBLHEP seminar "Femtoscropy"

We kindly invite all interested to watch the record of the seminar by Elena Rogochaya, which took place on 13 May in VBLHEP. The report describes a multifunctional and useful method for analysing interactions of particles and nuclei.

WATCH →

JINR Weekly Newspaper issued

New issue of the JINR Weekly Newspaper #18 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Upcoming Events

Advisory Bodies

- [23 May 2022, JINR International Conference Hall. Meeting of the JINR Finance Committee](#)
- [25 May 2022, JINR International Conference Hall. Session of the Committee of Plenipotentiaries of the Governments of the JINR Member States](#)

Seminars

- [19 May 2022, at 11:00 AM, VBLHEP. "Development of silicon avalanche detectors with increased radiation tolerance" by Sadygov Ziraddin Yagub-Ogly](#)

- [19 May 2022](#), at 4:00 PM, JINR Scientists' Club. AYSS seminar series: ["Baikal-GVD: at the origins of neutrino astronomy"](#) by Yuri Malyshkin
- [23 May 2022](#), at 11:00 AM, BLTP, Blokhintsev Conference Hall (4th floor). BLTP Journal Club
- [23 May 2022](#), at 3:30 PM, BLTP. "Triad of nuclear scissors (spin scissors and spin-flip)" by E. B. Balbutsev, I. V. Molodtsova
- [24 May 2022](#), at 10:00 AM, BLTP. "Simulator of spectrometer detector signals at the facility HRFD of the IBR-2M reactor" by V. V. Shvetsov
- [25 May 2022](#), at 11:00 AM, BLTP. "The effective potential of gluodynamics in the background of Polyakov loop and colormagnetic field" by Michael Bordag
- [25 May 2022](#), at 3:00 PM, BLTP. Meeting of BLTP Dissertation Council. Defense of the dissertation ["Energy ranges of two-particle and three-particle bound states in quantum electrodynamics"](#) by Alexey V. Eskin
- [26 May 2022](#), at 11:00 AM, VBLHEP. "Phenomenological model for description of fission cross sections of heavy nuclei in high energy region" by V. I. Yurevich

Culture

- [19 May 2022](#), at 7:00 PM. JINR Universal Public Library. Meeting of the book club "Hairpin": discussing the book ["The Air You Breathe"](#) by Frances de Pontes Peebles
- [19 May 2022](#), at 7:00 PM. JINR Cultural Centre "Mir". Premiere concert ["Choir World"](#)
- [20 May 2022](#), at 6:30 PM. JINR Universal Public Library. Synchronous tournament ["What? Where? When?"](#)
- [21 May 2022](#), at 12:00 PM. JINR Cultural Centre "Mir". Dubna cosplay festival ["AtomCosCon-2022"](#)
- [21 May 2022](#), at 6:00 PM. JINR Universal Public Library. Concert ["Flame of spring"](#)
- [25 May 2022](#), at 7:00 PM. JINR Cultural Centre "Mir". Concert ["New Wave"](#) of the series ["Steinway invites"](#)
- [26 May 2022](#), at 7:00 PM. JINR Cultural Centre "Mir". Concert of Vadim Eilenkrig's Orchestra

For Kids

- [20 May 2022](#), at 6:00 PM. JINR Cultural Centre "Mir". Concert based on the fairy tale ["Thumbelina"](#) by the children dance studio ["Future"](#)
- [21 May 2022](#), at 5:00 PM. JINR Universal Public Library. Family book gathering ["Let's READers"](#)
- [22 May 2022](#), at 6:00 PM. JINR Cultural Centre "Mir". Concert by the dance theatre ["Childhood"](#)

ALL JINR EVENTS →