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SCIENCE BRINGS NATIONS TOGETHER

JOINT INSTITUTE FOR NUCLEAR RESEARCH

JINR Newsletter #29, 27 July 2023

Dear colleagues and friends,

Ambassador Extraordinary and Plenipotentiary of the Republic of Moldova to Russia Lilian Dani visited JINR this week. The issues of cooperation and joint work, including in the field of education, were discussed at the meeting with the Directorate.

Seven diplomas on conferring academic degrees were awarded at JINR. LRB together with the South Ural State University is developing a system for automated video data processing in radiobiological experiments. Read about an educational initiative for teachers, new events, and much more in the new issue of the JINR Newsletter!

JINR Press Office

Telegram

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Cooperation

Ambassador Extraordinary and Plenipotentiary of Moldova to Russia visited JINR

A meeting between Ambassador Extraordinary and Plenipotentiary of the Republic of Moldova to the Russian Federation Lilian Darii and the JINR leadership headed by JINR Director RAS Academician Grigory Trubnikov took place on 26 July within the visit programme. The parties discussed various aspects of the development of cooperation between Moldova and JINR.



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SUSU and LRB developing system for analysing behaviour patterns of laboratory animals

A delegation of the South Ural State University headed by Rector Alexander Wagner visited JINR on 24 July. The team from Chelyabinsk presented bright results of the project "Intelligent behaviour pattern analysis system", conducted under the agreement on scientific cooperation between JINR and SUSU.

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Research

New program to simulate efficiency of low-energy neutron extraction systems

FLNP researchers Alexander Nezvanov and Eyvaz Teymurov have received a certificate of state registration of the software "Monte Carlo Simulation of nanodispersed extraction systems for low-energy neutrons (MCSnes)" on 4 July. The program is designed to simulate the efficiency of low-energy neutron extraction systems.

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Conferences

International School "Integrable and Stochastic Systems" started at BLTP JINR

This week, the International School "Integrable and Stochastic Systems" is taking place at BLTP JINR. The School's programme includes 16 lectures, panel discussions, and a poster session on the Lipnya Island. The participants are exploring the topics of functional methods in quantum and classical statistical systems, geometrical quantization, gravity, holography.



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23th Summer School on Particle Physics and Astrophysics finished on Lake Baikal

From 11 to 18 July, the 23th Baikal Summer School on Particle Physics and Astrophysics was held. This year, about a hundred people took part in the School's work. Participants of the School shared their impressions of the event.

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Academic Degrees

Diplomas on conferring academic degrees awarded at JINR

On 26 July, an awarding ceremony of diplomas on conferring academic degrees took place at the JINR Scientists' Club. Representatives of the JINR Qualification Committee, scientific secretaries of Dissertation Councils, and guests took part in the ceremony.

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Education

JINR will help physics and mathematics teachers of the Irkutsk Region

The Ministry of Science and Higher Education of Russia, the Joint Institute, and the Administration of the Irkutsk Region have proposed such an initiative. To start the initiative, it is planned to organize advanced training courses for the best teachers of mathematics and physics in the Irkutsk Region.

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ICS-2023: summary of School's work

On 15 July, the 35th International Computer School finished at the JINR Resort Hotel "Ratmino". 46 students from the Moscow Region, Moscow, St. Petersburg, Primorsky and Krasnodar Krai took part in it. Participants had a rich educational and leisure programme.



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JINR Community

VBLHEP new bicycles

Bicycles bought at the AYSS initiative were distributed among the staff of the Laboratory of High Energy Physics on 17 July. VBLHEP bicycles have a special colour marking, a basket for documents and materials.



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JINR Cinema Club

This Friday, on 28 July, at 6:00 PM, you can watch a British drama film "The Red Shoes" (1948). All are kindly invited! Please note that the JINR Cinema Club will be held at the JINR Universal Public Library.

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Announcements

Lectures by JINR scientists at NCPM

The II NCPM School on High Energy Physics and Accelerator Technologies is taking place these days in Sarov. Today, an FLNR JINR researcher Leonid Grigorenko has delivered a lecture on open questions in nuclear physics. This Saturday, on 29 July, at 10:55 AM (MSC), join a lecture by a VBLHEP JINR electronics engineer Andrey Schipunov on modern data collection systems.

WATCH broadcast of lectures →

Application of machine learning methods for data processing at NICA to be discussed in Saint Petersburg

The first seminar on machine learning methods for data processing at NICA organized by SPBU together with JINR and MIPT will take place on 28 – 29 August in St. Petersburg. Students, postgraduates, and researchers interested in the study and application of new methods for data obtaining and processing in physical experiments at megascience facilities are invited to participate.



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Registration for Conference on High Energy Physics opened

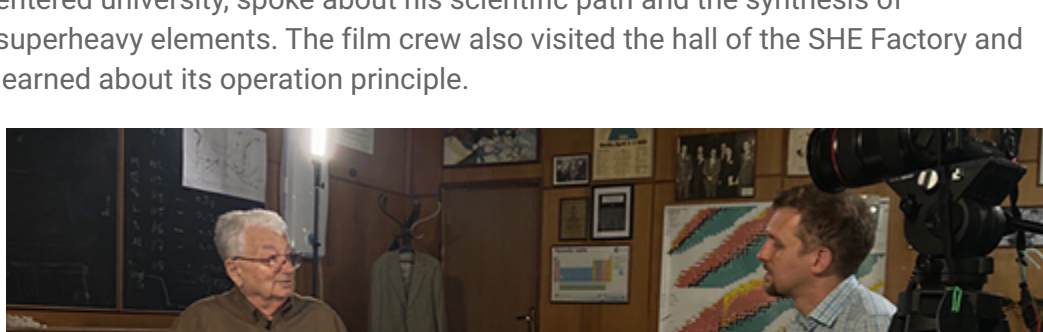
The Conference is organized by A. Alikhanyan National Laboratory with the JINR participation. It will be held on 11 – 14 September in Yerevan, Armenia. The Conference reports will be dedicated to the Standard Model and physics beyond it, physics of the Higgs boson, heavy ion physics, hadron spectroscopy, advanced computational and analysis tools in HEP, etc. Registration is open until 13 August [via the link](#).

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Media

Filming at FLNP JINR

On 26 July, the MEPhI Code popular science podcast about MEPhI alumni was filmed at FLNR JINR. The legendary Yuri Oganessian shared the story of how he entered university, spoke about his scientific path and the synthesis of superheavy elements. The film crew also visited the hall of the SHE Factory and learned about its operation principle.



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Coverage about research in Dubna by Channel One Russia

On 24 July, the Channel One Russia aired a coverage about the science cities of Russia in the Good Morning programme. JINR scientists spoke about the NICA Complex in Dubna and the ARIADNA applied research programme at it.

WATCH →

Backstage of filming →

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 the time when Bruno Pontecorvo worked in Great Britain and then escaped to the USSR.



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Nguyen Van Hieu

21 July marks the 85th anniversary of the birth of Academician Nguyen Van Hieu (21.07.1938–23.01.2022). He was one of the largest scientists in Vietnam, ex-president of the Vietnam Academy of Science and Technology. For many years, he was a member of the JINR Scientific Council and a Plenipotentiary Representative of the Government of Vietnam at JINR.

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Sports

Archery tournament

An archery tournament took place at the JINR Stadium "Nauka". The competition programme included target shooting at a distance of 18 metres, 3D shooting and ball target shooting. Both experienced and beginner archers participated in the event.



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Chess tournament

Last Sunday, a chess tournament dedicated to the Dubna City Day was held at the JINR Stadium "Nauka". 31 athletes took part in the tournament.

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Upcoming Events

Conferences

- **23 – 28 July. International School "Advanced Methods of Modern Theoretical Physics, Integrable and Stochastic Systems".** JINR, Dubna

Seminars

- **31 July, 11:00 AM, BLTP Journal Club.** "Blueball dark matter, precisely" by Maxim Bezuglov

Culture

- **28 July, 6:00 PM, JINR Universal Public Library.** JINR Cinema Club
- **28 July, 6:00 PM, JINR Universal Public Library.** English speaking club
- **28 July, 6:30 PM, JINR Universal Public Library.** Dubna intellectual games' club
- **3 August, 7:00 PM, JINR Universal Public Library.** Book club "Summer Reading List", discussing a book "The Sun Also Rises" by Ernest Hemingway

Sports

- **29 – 30 July, 9:30 AM, JINR Tennis Courts next to the JINR Cultural Centre "Mir".** Tennis tournament

ALL JINR EVENTS →