



Cooperation

Plenipotentiary Representative of Cuba made his first visit to JINR

On 8 July, a new Plenipotentiary Representative of the Republic of Cuba in JINR, Director of the Radiation Protection and Hygiene Centre Dr. Gonzalo Walwyn Salas visited Dubna to get acquainted with the Joint Institute. The Plenipotentiary Representative met with the JINR Directorate. The parties discussed prospects for the development of cooperation.



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Research

Ficus and eucalyptus helped to assess air quality in Egypt

Due to the hot climate in Egypt, it is impossible to conduct environmental monitoring of air using moss. FLNP JINR scientists found an alternative solution and chose ficus and eucalyptus as biomonitors. As a result, scientists managed not only to obtain data on the air quality in Egypt, but also to make a forecast about its condition in the future and find out what threats it may pose to public health.



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Conferences

14th Workshop "Modern problems in nuclear and elementary particle physics"

The 14th APCTP-BLTP JINR Joint Workshop "Modern problems in nuclear and elementary particle physics" started in Pohang, South Korea, on 9 July. The event aims to promote cooperation between researchers of the countries of the Asia Pacific region and leading research centres of Russia in the fields of nuclear physics and elementary particle physics.

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Workshop on superconducting and magnetic hybrid structures started at BLTP JINR

On 11 July, the International workshop "Superconducting and Magnetic Hybrid Structures" began at the Laboratory of Theoretical Physics JINR. The event brought together about 70 leading scientists from JINR and research centres in Cameroon, Egypt, France, Iran, the Netherlands, Russia, South Africa, and Sweden.



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School on Particle Physics and Astrophysics, devoted to 110th anniversary of Bruno Pontecorvo, started on Lake Baikal

The XXIII Baikal Summer School on Physics of Elementary Particles and Astrophysics started on 11 July. This year, the School is devoted to the 110th anniversary of the birth of a prominent Italian and Soviet physicist, the founder of high energy neutrino physics and neutrino astronomy Bruno Pontecorvo.

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Working Group on Financial Issues under CP JINR Chairperson held a meeting

On 10 - 11 July, a meeting of the Working Group on Financial Issues under the Chairperson of the Committee of Plenipotentiaries of JINR took place in Irkutsk. The Working Group prepared recommendations for the upcoming meetings of the Finance Committee and the Committee of Plenipotentiaries. Representatives of the JINR Directorate, as well as representatives of Armenia, Belarus, Cuba, Georgia, Kazakhstan, Mongolia, Vietnam attended the meeting.

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Digital JINR

Interactive guide to JINR laboratories launched

How to get the answers to your questions about science, talk to scientists and visit a collider? Use the JINR InfoGuide! Interactive terminals in Russian and English are already available in the JINR Museum and Dubna Hotel on 2 Moskovskaya street. They will take you to a breathtaking virtual trip accompanied by scientists. Pass a quest on the NICA Collider as a bonus!



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New JINR e-service to order certificates now available

Ordering and issuing payroll certificates at the Joint Institute are digitised! The JINR Digital Ecosystem now has a new service for Institute's employees to order certificates 2-НДФЛ and on average earnings. The service is available <u>via</u> <u>the link</u>. SSO-login is necessary to use it.

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Education

"We want to come back here with students". Physics teachers shared their impressions of internship at JINR

From 3 to 7 July 2023, the 12th International Scientific School for Physics Teachers was held at JINR. Twenty teachers from eighteen regions of Russia and one teacher from Armenia became its participants. They shared their impressions of the event.



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Popular science for Dubna children

In June, a VBLHEP researcher Dmitry Dryablov held popular science events at the festival "City of Professions" dedicated to Children's Day. In addition, he demonstrated spectacular experiments at the Dubna kindergartens "Mishutka" and "Luchik" and at the Polis-lyceum summer camp.

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JINR Community

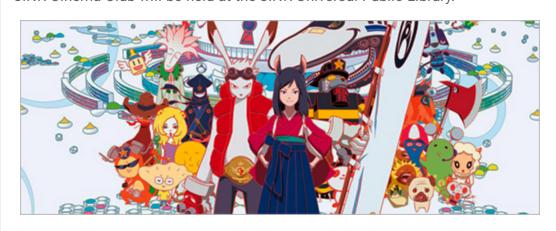
Digest of main AYSS events

AYSS has published a digest of the main events and results of its activities for June 2023. Young scientists and specialists held a traditional conference Alushta and a new school on accelerator physics, won the Social Mortgage competition, took part in the meeting of young scientists associations in Nizhny Novgorod, and much more!

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JINR Cinema Club

This Friday, on 14 July, at 6:00 PM, you can watch a Japanese animated science fiction film "Summer Wars" (2009). 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

Competition for best Mascot announced

The competition for the best Mascot of the Decade of Science and Technology has started in Russia. All interested are welcome to participate! The winner of the competition will visit the Congress of Young Scientists in Sochi and go on popular science tour all over Krasnodar Krai.

READ MORE →

Publications

Proceedings of conferences in Armenia published

The JINR Publishing Department issued proceedings of two conferences. The first collection "Armenian meeting. Climate changes: adaptation" contains abstracts of the reports presented at the conference in Yerevan on 27 – 28 March. The second one "Meeting in Nor Amberd" includes materials delivered at the conference "Modern problems of genetics, radiobiology, radioecology and evolution: GRRE2021".

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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. This publication is about the personal life of the scientist and his scientific achievements.



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Sports

Swimming competitions

On 8 July, the final swimming competitions within the Governor's Cup of the Moscow Region took place at the Ruza Water Sports Palace. The 105th Element team won the Moscow Region Governor's Cup by a landslide in terms of the number of medals won.

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Media

Interview with JINR Scientific Leader Victor Matveev

The eighth part of an interview with JINR Scientific Leader Victor Matveev "Life lessons" has been issued. He told why "you can never stop doing science" and how he was the director of two institutes at once, spoke about being a BLTP senior researcher, shared the strengths and weaknesses of JINR, told what the Institute would be like in 50 years, and spoke about the importance of popularising science!



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 -

Lecture by Dmitry Naumov

Looking at the stars one cannot help but think about the scale and origin of our universe. We kindly invite you to watch a record of the lecture "The history of our universe" by Doctor of Physics and Mathematics, DLNP JINR Deputy Director Dmitry Naumov.



WATCH -

New podcast by RIA Novosti with JINR scientist

Did the universe or the laws under which it exists come first? What is cosmic inflation and could "everything" be born out of "nothing"? A BLTP employee Evgeny Davydov answered these and other questions in a new episode of the popular science podcast "We will all die. But we are not sure".

LISTEN -

New JINR accelerator LINAC-200 being prepared for commissioning

The commissioning of a new facility of DLNP JINR, the LINAC-200 linear accelerator, is in full swing. Please watch the video to learn more about LINAC-200 and future plans.

WATCH →

Video about JINR InfoGuide

Watch the video to learn more about how the new JINR InfoGuide operates! WATCH →

Filming at JINR

On 12 July, at the JINR, Medical Unit No. 9, and SEZ "Dubna" sites, the Russia 24 TV channel crew filmed a coverage for the "Senate" programme dedicated to the development of industrial medicine in Russia. JINR representatives spoke about the importance of the medical sector for the development of the science city and for attracting personnel to JINR projects, as well as about the status of the megascience project implementation.



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Renovation in JINR Sports Club

A large-scale renovation is taking place in the large game hall of the JINR Sports Club for the first time in 30 years. Watch the video about what has already been done and what is planned.

WATCH 🔿

DLNP seminar records

We invite you to watch a record of the seminar "Investigation of influence of changes in meteorological parameters on flux of cosmic muons using DANSS detector" by Eduard Samigullin, "Investigation of photovoltaic and photodiode operating modes of photodiodes for their application in a Precision Laser Inclinometer" by Yuli Klemeshov and Mikhail Lyablin, and "DLNP computer cluster: history, current state, and development prospects" by Yuri Ivanov.

WATCH seminar by Eduard Samigullin 🔿

WATCH seminar by Yuli Klemeshov and Mikhail Lyablin →

WATCH seminar by Yuri Ivanov →

JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #26 has been published.

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Upcoming Events

Conferences

- <u>1 18 July, 35th Summer International Computer School (ICS 2023).</u> JINR Resort Hotel "Ratmino", Dubna
- <u>6 16 July</u>, Multidisciplinary School-Seminar "Summer School" and Workshop "Element 105". Recreation Centre "Volga", Dubna
- <u>11 15 July</u>, International workshop "Superconducting and Magnetic Hybrid Structures". BLTP JINR, Dubna
- <u>11 18 July</u>, XXIII Baikal International Summer School on Physics of Elementary Particles and Astrophysics, devoted to the 110th anniversary of Bruno Pontecorvo. Bolshie Koty, Irkutsk Region, Russia
- <u>14 16 July, XXVII Summer Scientific School for Young Scientists and</u> <u>Specialists "Lipnya 2023". JINR Tourist Base "Lipnya", Lipnya island,</u> <u>Ivankovskoe reservoir</u>

Seminars

- **13 July**, 11:00 AM. VBLHEP. "Time-of-Flight particle identification system in NA61/SHINE Experiment at CERN" by Andrei Zaitsev
- <u>13 July</u>, 3:00 PM. MLIT. "Numerical results of thermal processes occurring in materials under the action of femtosecond laser pulses" by Ibrokhim Sarkhadov and "On the convex structure of the set of absolutely separable states and their relation to Wigner positivity" by Vaagn Abgaryan
- <u>**19 July**</u>, <u>11:00 AM. DLNP. "Review of accelerator experiments on the study of neutrino oscillations in Japan: from T2K to Hyper-Kamiokande" by Boris Popov</u>

Culture

- <u>5 July 20 August</u>, daily from 1:00 to 7:00 PM, except Mondays. JINR Cultural Centre "Mir". Summer art exhibition
- 14 July, 6:00 PM. JINR Universal Public Library. English speaking club
- 14 July, 6:00 PM. JINR Universal Public Library. JINR Cinema Club
- <u>**14 July**</u>, 6:30 PM. JINR Universal Public Library. Dubna intellectual games' club
- <u>19 July, 7:00 PM. JINR Universal Public Library. Book club "Hairpin":</u> <u>discussing a book "Book Kitchen" by Kim Ji Hye</u>
- 20 July, 7:00 PM. JINR Universal Public Library. Book club "Summer Reading List": discussing a novel "Good Omens" by Terry Pratchett and Neil Gaiman

Sports

press@jinr.int

• 16 July, 2:00 PM. JINR Stadium "Nauka". Archery tournament

ALL JINR EVENTS →

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