READ MORE → **Summer meeting of PAC for Nuclear Physics** On 29 – 30 June, the 57th meeting of the Programme Advisory Committee for Nuclear Physics is taking place at the JINR International Conference Centre. The committee members are considering proposals for opening or extending projects, as well as reports on projects. The programme includes a meeting of the PAC members with the Institute's Directorate. READ MORE → Cooperation

If you can't see this e-mail properly, view it online

<u>Directorate information</u>

SCIENCE BRINGS NATIONS TOGETHER

JOINT INSTITUTE FOR NUCLEAR RESEARCH

JINR Newsletter #25, 29 June 2023

Nowadays, JINR and China are actively developing bilateral cooperation in several scientific fields. In addition to the NICA Megascience Project, a

Scientific studies, lectures, sports, and new Telegram stickers with JINR scientists are waiting for you in the new issue of the JINR Newsletter.

promising area is the synthesis of superheavy elements. The JINR Programme Advisory Committee for Nuclear Physics is discussing today this and other

Advisory Bodies

PAC for Particle Physics discussed status of NICA Project and JINR

The central topics of the 58th meeting of the PAC PP were the status of the NICA Project and the results of the JINR scientific groups obtained in the CERN

JOINT INSTITUTE FOR NUCLEAR RESEARCH

experiments. The participants considered the results of the terminating projects and proposals for the opening of new ones. A meeting of the PAC members with the JINR Directorate and a poster presentation by young

<u>Events</u>

JINR Press Office

<u>News</u>

Dear colleagues and friends,

fields of nuclear physics at JINR.

participation in international projects

scientists took place.

On 15 June, the 14th regular meeting of the Russian-Chinese Working Group on High Technology and Innovation took place in Beijing. At the meeting, the parties discussed practical steps to implement the quadrilateral Protocol on

Strengthening Cooperation in the Field of Basic Scientific Research, in particular, the implementation of the NICA Megascience Project, and other

JINR-China cooperation in the field of scientific research to be enhanced

flagship projects of the institutes of both countries.



In mid-June, in Wuhan, JINR specialists discussed with their Chinese

(MAPS) for cutting-edge fundamental and applied scientific experiments.

colleagues joint development of equipment for the NICA Megascience Project. At the initiative of the Joint Institute, there will be a new joint project created. It will aim at the development and production of Monolithic Active Pixel Sensors

Research

In recent studies, the FLNP scientific group managed to achieve one hundred

Scientists from FLNP JINR confirmed amazing ability of baker's yeast to adsorb metal ions

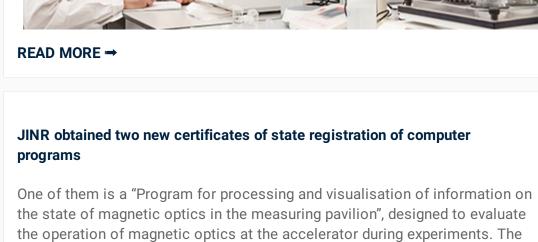
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construction.

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percent purification of wastewater samples from silver using the yeast Saccharomyces cerevisiae as a sorbent. The researchers believe that this type of yeast could be a promising biosorbent that is not only safe but also costeffective.



second one is a "Program for remote monitoring of warm magnet protections activation in the experimental hall". It collects information from the slots of the

electronics protections modules and transmits it to the duty desk.

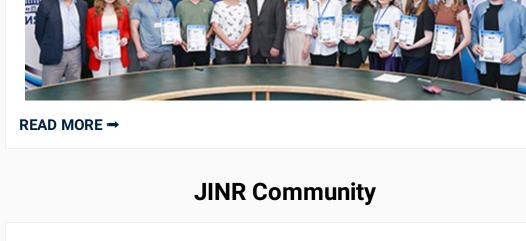
First meeting of RAS Council for Particle Physics held at JINR The meeting was attended by physicists from leading scientific organizations

of Russia. The key topic of the discussion was the realization of large-scale infrastructure projects in the fields of particle physics and high energy physics being implemented in the territory of Russia. Participants of the meeting also had an excursion to the factory of superconducting magnets, visited the BM@N Experimental Facility, got acquainted with the progress in the NICA Collider

Conferences

Education

16th Internship for Young Scientists from CIS Countries concluded From 28 May to 27 June, a regular, the 16th International Internship for Young Scientists and Specialists from the CIS Countries took place in Dubna. Participants from Armenia, Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Russia, Tajikistan, and Uzbekistan visited the JINR laboratories and enterprises of the science city, as well as prepared and presented their projects.



Results of Social Mortgage competition announced

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politicians, and much more!

Вызов

WATCH →

purchasing or building housing. This year, eight scientists from JINR became winners of the competition.

The Ministry of Investments and Innovations of the Moscow Region annually holds a competition within the "Social Mortgage" programme to provide the

most in-demand young scientists and specialists with state support in

AYSS seminar on nuclear reactors and nuclear fuel cycles

Ahmed Hassan, who reported on the types of nuclear reactors, characteristics of reactors in Dubna, and different cycles of nuclear fuel. Please note that you can watch recordings of all AYSS seminars via the link.

On 28 June, a regular AYSS seminar took place. This time the speaker was

READ MORE → **JINR Cinema Club** This Friday, on 30 June, at 6:00 PM, you can watch a silent drama film "Battleship Potemkin" (1925). All are kindly invited! Please note that the JINR Cinema Club will be held at the JINR Universal Public Library.

Media

The sixth part of an interview "My party of science" with JINR Scientific Leader Victor Matveev has been issued. He spoke about the role of the Russian Academy of Sciences in organizing scientific research in the JINR's location country, considered the difference between the Russian and the USSR

Academies of Sciences, commented on the interaction between scientists and

Interview with JINR Scientific Leader Victor Matveev

New stickers with JINR scientists On 24 June, the Institute's location country celebrated the Youth Day. In honor of the holiday, the JINR Press Office is glad to present a <u>new Telegram sticker</u> <u>pack</u> with scientists of the Institute. The heroes of the stickers are young, but they already actively conduct research at the forefront of science, participate in major international experiments, and find time for popularization of science.

READ MORE → 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 →

A new issue of the JINR Weekly Newspaper #24 has been published.

Recalling founders

outstanding Italian and Soviet scientist who worked at JINR. The DLNP Group

Pontecorvo's biography. This publication is about Pontecorvo's childhood and

of Scientific Communication has prepared a series of publications on

Уже лучше

Bruno Pontecorvo 22 August marks the 110th anniversary of the birth of Bruno Pontecorvo, an

В преддверии юбилея Б. М. Понтекорво

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JINR Weekly Newspaper issued

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youth.

Announcements

Registration for Integrable and Stochastic Systems School is open

From 23 to 28 July, the International School "Advanced Methods of Modern Theoretical Physics: Integrable and Stochastic Systems" will take place in Dubna. The event is organized by BLTP JINR. Within the School's framework, the Laboratory staff and invited lecturers will acquaint the participants with modern trends in theoretical physics. The deadline for registration is 3 July 2023. READ MORE → **Sports**

26 June marked the 52nd anniversary of the opening of the Archimedes

photos from the competition by scrolling down the "Sports at JINR" VK

Swimming Pool. In honor of this significant date, a swimming competition took place. 280 swimmers from 10 cities participated in the event. You can find the

community posts.

WATCH →

Advisory Bodies

Conferences

Seminars

Archimedes Swimming Pool of JINR turned 52

Upcoming Events

• 29 – 30 June, 57th Meeting of the Programme Advisory Committee for Nuclear Physics. JINR International Conference Centre, Dubna <u>5 July</u>, <u>JINR Science and Technology Council meeting</u>. <u>JINR</u> International Conference Centre, Dubna

• <u>1 - 18 July, 35th Summer International Computer School (ICS - 2023).</u> JINR Resort Hotel "Ratmino", Dubna • 3 - 7 July, International Scientific School for Physics Teachers at JINR. JINR, Dubna • 3 – 7 July, 10th International Conference "Distributed computing and

Grid technologies in science and education". MLIT JINR, Dubna

• 3 - 8 July, Summer science intensive school "Physics and Technology

• 4 – 6 July, 2nd Coordination workshop on swift and highly charged ions in material science. Kamchatka State University named after Vitus Bering, Petropavlovsk-Kamchatsky • <u>6 – 16 July, Multidisciplinary School-Seminar "Summer School" and</u> Workshop "Element 105". Recreation Centre "Volga", Dubna

of Accelerators". JINR University Centre, Dubna

• 30 June, 12:30 PM. BLTP. "One-point and two-point correlation functions in holographic RG flow of 3d supergravity" by Ksenia Arkhipova • 30 June, 2:00 PM. MLIT. Meeting of MLIT Dissertation Council: "Methods and software complexes for the reconstruction of charged

inhomogeneous fuel rod" by Alexander Verhoglyadov

• 30 June, 11:00 AM. FLNP. Seminar "Simulation of dynamic bending of

particle trajectories in the BM@N and CMS Experiments" by Nikolai Voytishin and "Development of specialised databases and information

systems for experimental high energy physics" by Evgeny Alexandrov • 3 July, 11:00 AM. BLTP. "Reconstructing the spatial structure of quantum correlations" by Pavel Maksimov

• 5 July, 11:00 AM. BLTP. "QED NLO parton distribution functions" by Andrey Arbuzov and Uliana Voznaya • 5 July, 11:00 AM. DLNP. "Investigation of influence of changes in meteorological parameters on flux of cosmic muons using DANSS detector" by Eduard Samigullin • 6 July, 11:00 AM. DLNP. "Investigation of photovoltaic and photodiode

operating modes of photodiodes for their application in a Precision

Culture • 30 May - 2 July, daily from 1:00 to 7:00 PM, except Mondays. JINR Cultural Centre "Mir". Exhibition of interior paintings

• 29 June, 7:00 PM. JINR Universal Public Library. Book club "Hairpin"

• 30 June, 6:00 PM. Online meeting on Discord. English speaking club

• 30 June, 6:00 PM. JINR Universal Public Library. JINR Cinema Club

Laser Inclinometer" by Yuli Klemeshov and Mikhail Lyablin

• 5 July - 20 August, daily from 1:00 to 7:00 PM, except Mondays. JINR Cultural Centre "Mir". Summer art exhibition • 6 July, 7:00 PM. JINR Universal Public Library. Book club "Summer Reading List": discussing a novel "Lyubimov" by Andrei Sinyavsky

Sports

• 1 July, 11:00 AM. JINR Stadium "Nauka". Table tennis open

ALL JINR EVENTS →

press@jinr.int

ØBOO

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championship "Dubna Open 2023"