



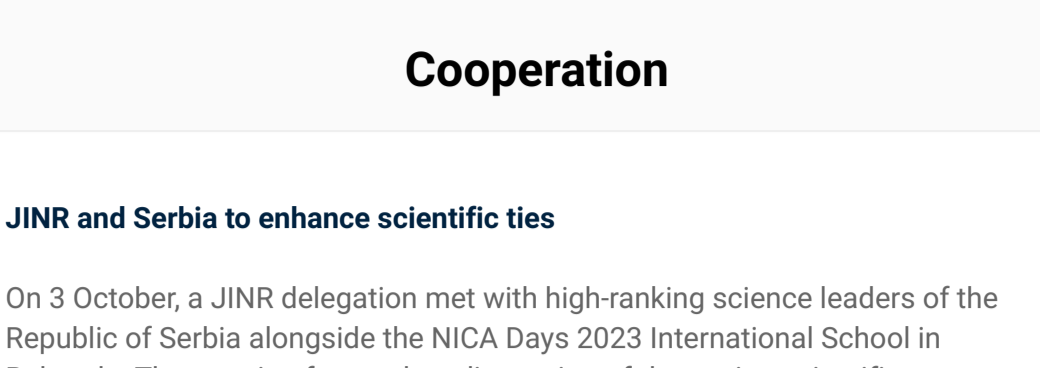
JINR Newsletter #39, 5 October 2023

Dear colleagues and friends,

International cooperation has become the keynote of the past week at the Institute. Scientific ties with Serbia and South Africa are being enhanced and developed. An agreement has been signed with the National Academy of Sciences of the Republic of Kazakhstan. Steps have been outlined to build cooperation with the Sultanate of Oman.

Registration for the JINR International Postdoctoral Programme, as well as for INTEREST and START programmes for students and postgraduates has been announced. You will find new wallpapers for smartphones, bright media section, and much more in this issue of the JINR Newsletter.

JINR Press Office



Cooperation

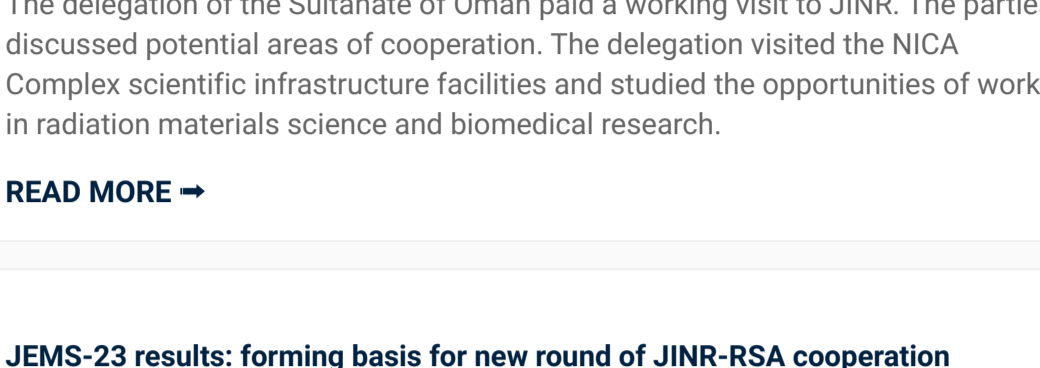
JINR and Serbia to enhance scientific ties

On 3 October, a JINR delegation met with high-ranking science leaders of the Republic of Serbia alongside the NICA Days 2023 International School in Belgrade. The meeting focused on discussion of deepening scientific cooperation, with the main goal of gradually changing Serbia's status in JINR from an Associate Member to a full-fledged Member State.

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Agreement of intent signed between JINR and NAS of Republic of Kazakhstan

The agreement will give a new impetus to the cooperation development with the scientific centres of Kazakhstan. The document was signed during a visit to JINR of the delegation of the National Academy of Sciences of the Republic of Kazakhstan under the President of the Republic of Kazakhstan on 2-3 October.



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JINR – Oman: step towards cooperation

The delegation of the Sultanate of Oman paid a working visit to JINR. The parties discussed potential areas of cooperation. The delegation visited the NICA Complex scientific infrastructure facilities and studied the opportunities of work in radiation materials science and biomedical research.

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JEMS-23 results: forming basis for new round of JINR-RSA cooperation development

On 15 September, at a regular round table with the JINR Directorate, the results of the 23rd International Internship of JEMS, organized for representatives of scientific organizations of South Africa for the first time, were summed up.



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JINR scientists at workshop in Tashkent

In September, the International Workshop "Application of nuclear physics methods for the study of cultural heritage objects" took place in Tashkent, the Republic of Uzbekistan. Active participation of FLNP, JINR Neutron Activation Analysis Group in the Workshop contributed to the establishment of new contacts, demonstration of opportunities, and exchange of experience in the application of nuclear physics methods.

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NICA in Belgrade

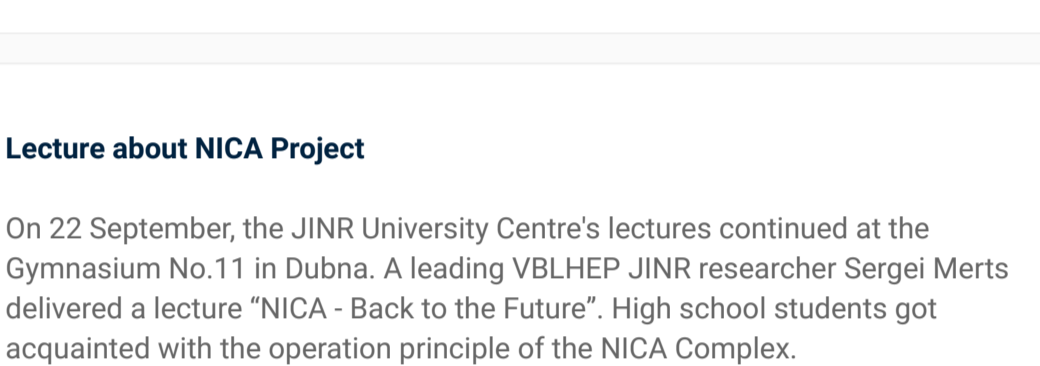
NICA Days 2023 School finished in Belgrade

On 2 – 3 October, the NICA Days 2023 International School took place at the Vinča Institute of Nuclear Sciences in Belgrade, Serbia. The School aims to attract young scientists and students to the implementation of the NICA Megascience Project, as well as to expand Serbia's participation in it.

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Progress of MPD experiment being discussed in Serbia

On 4 – 6 October, the 12th Collaboration Meeting of the MPD Experiment at the NICA Facility is being held in Belgrade, Serbia. More than 120 participants from research centers around the world are taking part in the event.



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Awards

JINR included in shortlist of award "For Loyalty to Science"

A JINR employee Petr Shirkov became a candidate for the Loyalty to Science Award in the Mentor nomination in 2023. Petr Shirkov is an ideologist and the permanent scientific leader of the International Computer School. He has almost 50 years of experience in teaching, organizing, and managing educational programmes.

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Education

36 students of Dubna University awarded JINR scholarship

On 27 September, the Scientific Council of the university approved candidates for a scholarship of the Joint Institute for Nuclear Research. They were selected from among undergraduate students engaged in scientific activities under the guidance of JINR staff members. 2-3 year students will receive 17,800 rubles monthly, 4 year students will get 23,000 rubles.

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Lecture about NICA Project

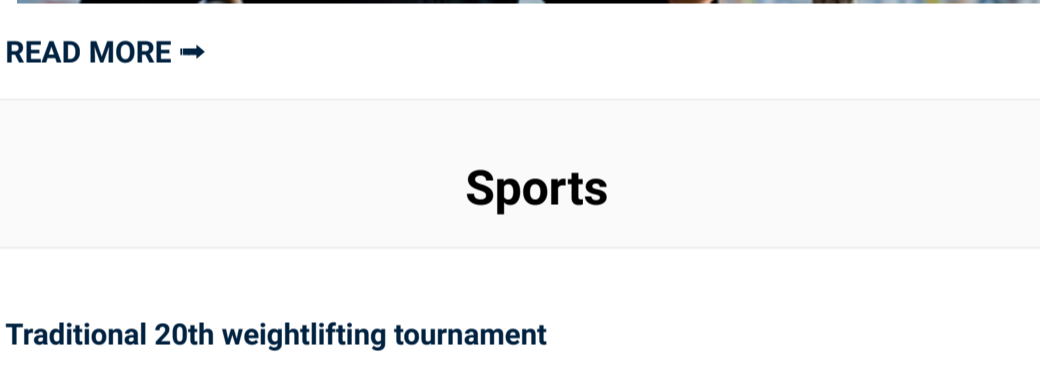
On 22 September, the JINR University Centre's lectures continued at the Gymnasium No. 11 in Dubna. A leading VBLHEP JINR researcher Sergei Merts delivered a lecture "NICA - Back to the Future". High school students got acquainted with the operation principle of the NICA Complex.

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JINR Postdoc Programme

Autumn call for JINR International Postdoctoral Programme started

The JINR Postdoctoral Programme allows young early-stage scientists to take part in JINR scientific projects, get access to advanced scientific equipment, gain experience working in an international team, and earn 2,300 USD per month. You can apply for participation in the autumn call until 1 November.



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Announcements

Take part in Wave 9 of INTEREST!

We kindly invite everyone interested to take part in Wave 9 of the international online educational programme INTEREST for students and graduates of higher education institutions. It will be held on 30 October – 10 December.

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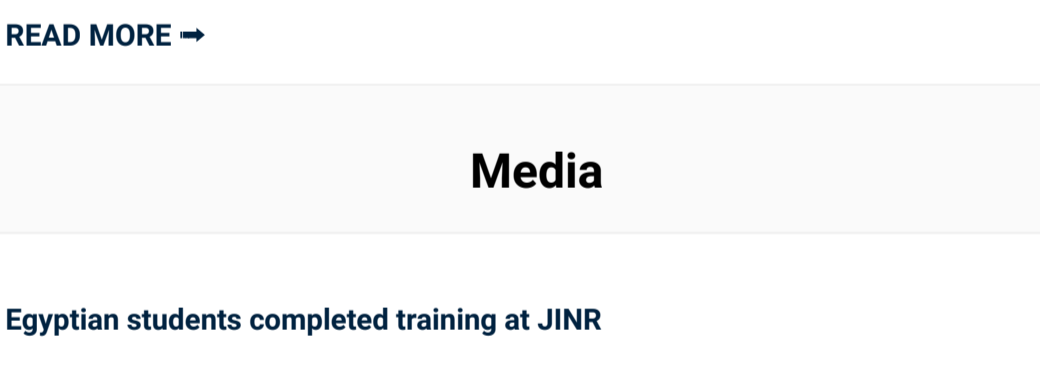
Call for applications for START Winter session 2024

The START programme invites students and postgraduates to join the research conducted at JINR and supervised by the leading scientists and engineers. You can apply until 31 October.

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Workshop on floor mosaics

On 9 October, from 12:00 PM to 4:00 PM, an artist Mikhail Polyakov will hold a workshop for adults and children on making floor mosaics in the square in front of the JINR Cultural Centre "Mir".



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Sports

Traditional 20th weightlifting tournament

On 30 September, the traditional 20th weightlifting tournament in memory of the Honoured Coach of Russia Yuri Masloboev took place. 56 athletes took part in the competition. The competitions were held at a high level, the athletes showed excellent results.

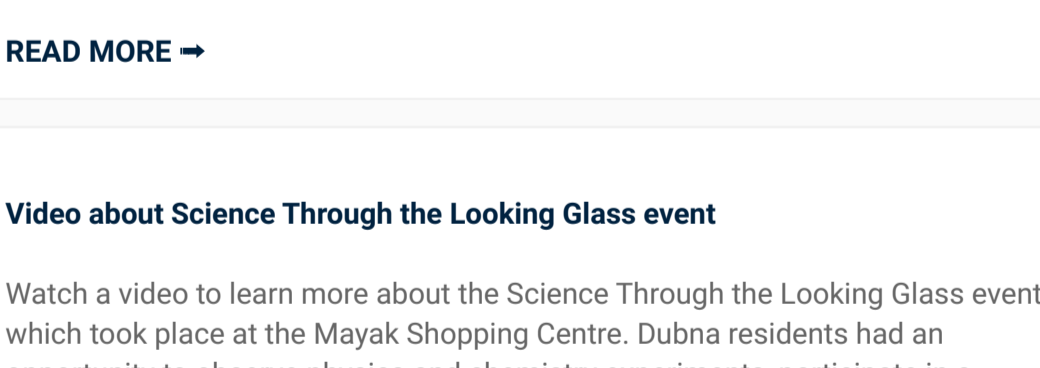
[VIEW PHOTOS. Part 1 →](#)

[VIEW PHOTOS. Part 2 →](#)

[VIEW PHOTOS. Part 3 →](#)

Football tournament among children

The JINR Stadium "Nauka" hosted a football tournament for JINR prizes among children titled "Science and Football: In Search of High Speeds". In excellent weather and friendly atmosphere, five teams of young football players showed their best.



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JINR team took part in a historical medieval battle

Four fighters of the JINR team took part in a major event on the Historical Medieval Battle "The Magnificent Five", held in Moscow on 30 September. The JINR team took the third place in the tournament. The event usually gathers strong fighters from different regions of the country.

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Media

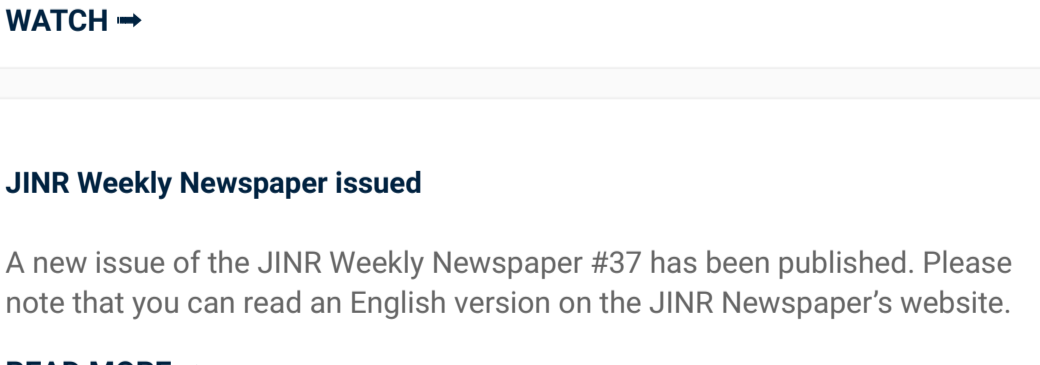
Egyptian students completed training at JINR

We invite you to watch a video about impressions of students of the Children's University at the Academy of Scientific Research and Technology of Egypt that participated in the third JINR Science Day on 25 – 30 September.

[WATCH →](#)

October wallpaper for your smartphone!

Even in October, we can keep cheerful and sunny mood for a while, at least on the lock screen. In the first wallpaper, there is a composition with a building of the Directorate and a famous Dubna fountain's dove, which symbolises peaceful goals of JINR. The JINR Universal Library, the building of which is shown in the second picture, organizes a wide range of interesting events – from cosy book clubs to major festivals!



[DOWNLOAD →](#)

Interview with author of lecture "Efficient Brain Work"

On 3 October, Vyacheslav Dubynin, a Doctor of Biological Sciences and an expert in physiology, neurobiology, and psychopharmacology delivered a lecture "Efficient Brain Work" at the JINR Cultural Centre "Mir". An LRB researcher Yuri Severyukhin interviewed him for the JINR Weekly Newspaper and asked about his scientific path.

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Video about Science Through the Looking Glass event

Watch a video to learn more about the Science Through the Looking Glass event, which took place at the Mayak Shopping Centre. Dubna residents had an opportunity to observe physics and chemistry experiments, participate in a robotics workshop, take a virtual quest, quiz, and much more!

[WATCH →](#)

Filming at JINR

Recently, filming of Alexander Mazhuga's MAGNet Project has taken place at VBLHEP and FLNR, JINR. The project is devoted to science popularisation. Vladimir Kekelidze, Vasilisa Lenivenko, and Vasily Semin told the film crew about the research conducted at the NICA Complex and the DC-280 Cyclotron.



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Lectures on attosecond physics

The Nobel Committee awarded the Nobel Prize in Physics 2023 to authors of creation of ultrashort laser pulses of attosecond duration. We would like to draw your attention to a series of popular science lectures delivered by Igor Ivanov at DLNP where you can learn more about experimental methods of attosecond physics.

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Video about past week JINR events

We offer you to watch a video review of recent events from the life of the Institute and Dubna.

[WATCH →](#)

JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #37 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Upcoming Events

Conferences

- [4 – 6 October, 12th Collaboration Meeting of the MPD Experiment at the NICA Facility, Vinča Institute of Nuclear Sciences, Belgrade, Serbia](#)
- [9 – 13 October, Scientific student practice "Control processes in scientific projects, participation of students in scientific researches", JINR, Dubna](#)

Seminars

- [6 October, 11:00 AM, VBLHEP, Lecture series on training of accelerator complex operators, Electron string ion source](#)
- [9 October, 11:00 AM, VBLHEP, Lecture series on training of accelerator complex operators, Linear heavy ion accelerator](#)
- [10 October, 11:00 AM, MLIT, "Methods and algorithms for calculating the relativistic heavy ion ionization energy loss in matter, modeling extremely high energy electromagnetic cascades and some complex physical-chemical systems" by Olga Voskresenskaya and "JINR Digital ecosystem: status and plans" by Sergey Belyov](#)
- [11 October, 11:00 AM, DLNP, "Muons and nuclei" by Basar Sabirov](#)
- [12 October, 11:00 AM, VBLHEP, "Slow control for MPD TPC LV and HV systems based on CAEN Equipment" by Youma Ghoniem](#)

Culture

- [3 October - 5 November, daily, from 1.00 to 7.00 PM \(except Monday\), JINR Cultural Centre "Mir", Exhibition of mosaics](#)
- [5 October, 7:00 PM, JINR Universal Public Library, Hairpin book club](#)
- [6 October, 6:00 PM, JINR Universal Public Library, English speaking club](#)
- [6 October, 6:00 PM, JINR Universal Public Library, JINR Cinema Club](#)
- [6 – 8 October, 7:00 PM, Moscow, Russia, XVIII All-Russian Festival of Science "Science 0+"](#)
- [6 October, 7:00 PM, JINR Scientists' Club, Lecture "Alexey Bogolubov, seaman and artist"](#)
- [7 October, 6:00 PM, JINR Universal Public Library, Failure Night in Dubna](#)
- [7 October, 6:00 PM, JINR Cultural Centre "Mir", Concert "In flamenco style"](#)
- [8 October, from 12:00 PM to 4:00 PM, JINR Cultural Centre "Mir", Workshop on making floor mosaics](#)
- [8 October, 5:00 PM, JINR Cultural Centre "Mir", Concert by Symphony Orchestra](#)
- [12 October, 7:00 PM, JINR Universal Public Library, Summer Reading List book club, discussing a novel "Hitchhiker's Guide to the Galaxy" by Douglas Adams](#)
- [12 October, 5:00 PM, JINR Universal Public Library, Harry Potter Book Day](#)

For Kids

- [7 October, 4:00 PM, JINR Universal Public Library, Children's research project "Archimedes Pear"](#)
- [7 October, 5:00 PM, JINR Universal Public Library, Let's READers](#)
- [8 October, 6:30 PM, Museum of History of Science and Technology of JINR, First game of Europe school league](#)

[ALL JINR EVENTS →](#)