

JINR Newsletter #36, 14 September 2023

Dear colleagues and friends,

The first meeting of the JINR-China Coordination Committee was held in Dubna on 11 September. Participants considered it as a new and promising milestone in the history of scientific cooperation between the parties.

The JEMS-23 Training Programme, organized for our colleagues from research centres and institutes of South Africa, became the subject of interest of representatives of the Embassy of South Africa in Moscow, whose visit gave new growth points for cooperation.

We kindly invite all employees of the Institute to join a traditional Back to Office picnic.

Read about this and much more in a new issue of the JINR Newsletter.

JINR Press Office



Breaking News

"Moving forward confidently": results of first meeting of PRC-JINR Joint Coordination Committee

On 11 September 2023, the first meeting of the China-JINR Joint Coordination Committee was held. The parties discussed current fundamental scientific research and plans for the development of joint projects.

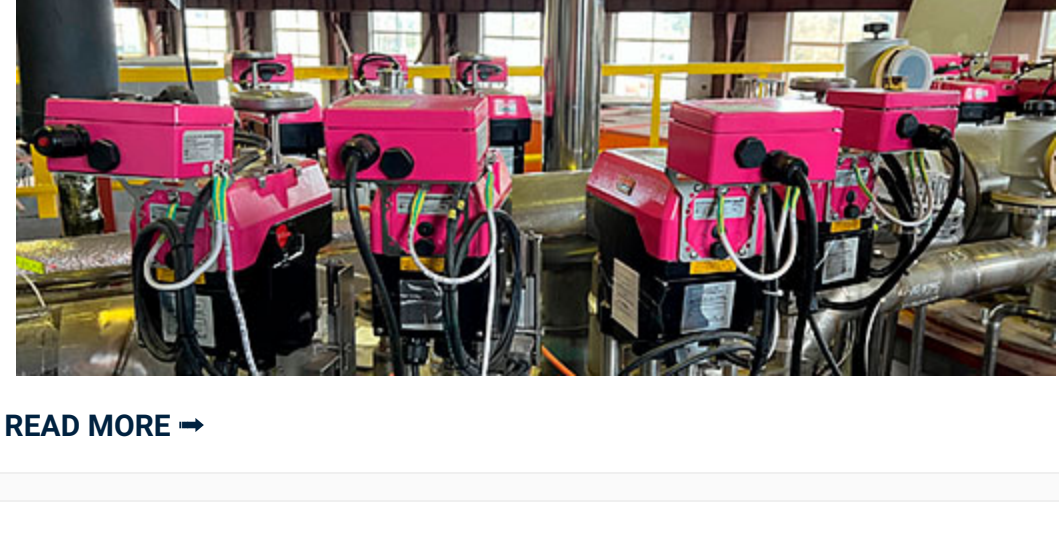


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Cooperation

JEMS-23: strengthening ties with South Africa

On 11 September, a regular training programme "JINR Expertise for Member States and Partner Countries" started at JINR. Participants of the training programme are representatives of scientific organizations and universities of the Republic of South Africa.



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Representatives of South African Embassy in Russia visited JINR

On 12 September, representatives of the Embassy of the Republic of South Africa in Russia visited JINR, coinciding with JEMS-23. Counsellor of the Political Section of the SA Embassy Douw Vermaak and First Secretary of the Section Lesiba Ratlou visited the JINR laboratories, got acquainted with the leaders and leading scientists of the Institute, met with participants of the JEMS-23 Training Programme.

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Visit of representatives of FLAP collaboration to JINR

A group of representatives of the FLAP collaboration paid a visit to JINR on 4 - 5 September 2023. They met with colleagues and leaders of VBLHEP and signed a memorandum of cooperation of the FLAP collaboration with JINR.

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Research

Before 5th commissioning run at NICA Complex: operation of cryogenic support system

VBLHEP employees solved a number of technical problems in the operation of the cryogenic support system of the NICA Accelerator Complex and set new goals for the next commissioning run.



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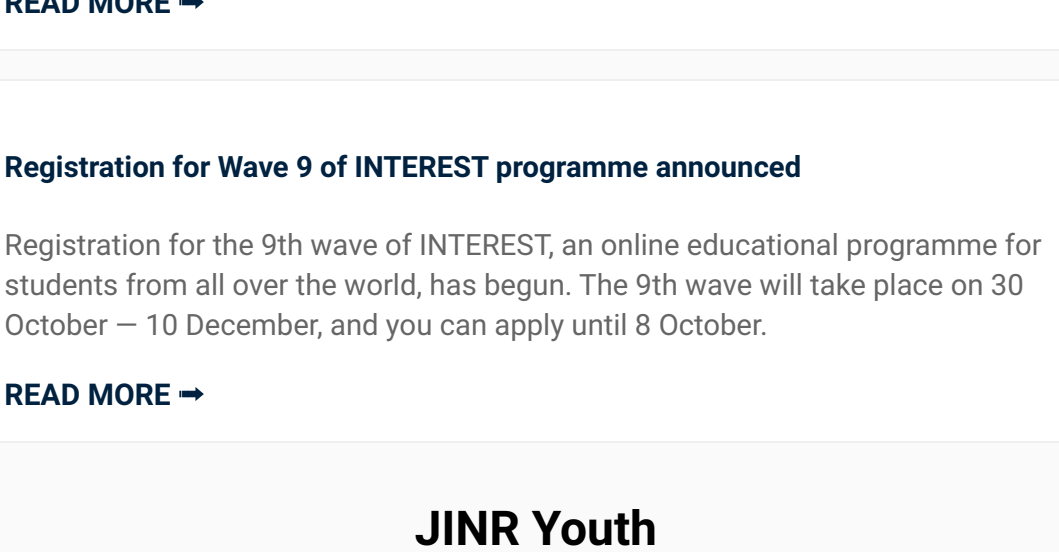
JINR and South African scientists assessed ecology of coastal areas of Southern Africa

JINR and South African scientists assessed the concentrations and origin of macro- and microelements in mussel samples from coastal areas of Southern Africa in a joint study. They used the neutron activation analysis in their research.

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Gas-filled separator DGFRS-2 in FLNR JINR: tests carried out, new discoveries planned

At the end of 2022, a group of FLNR JINR scientists was awarded the second JINR Prize for a series of works devoted to the design and creation of a new gas-filled separator DGFRS-2. Using DGFRS-2, scientists plan to reach a new level in the study of superheavy element isotopes and synthesise new ones, namely the 119th and 120th.



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JINR scientists assessed the ecological situation of coastal waters of Egypt

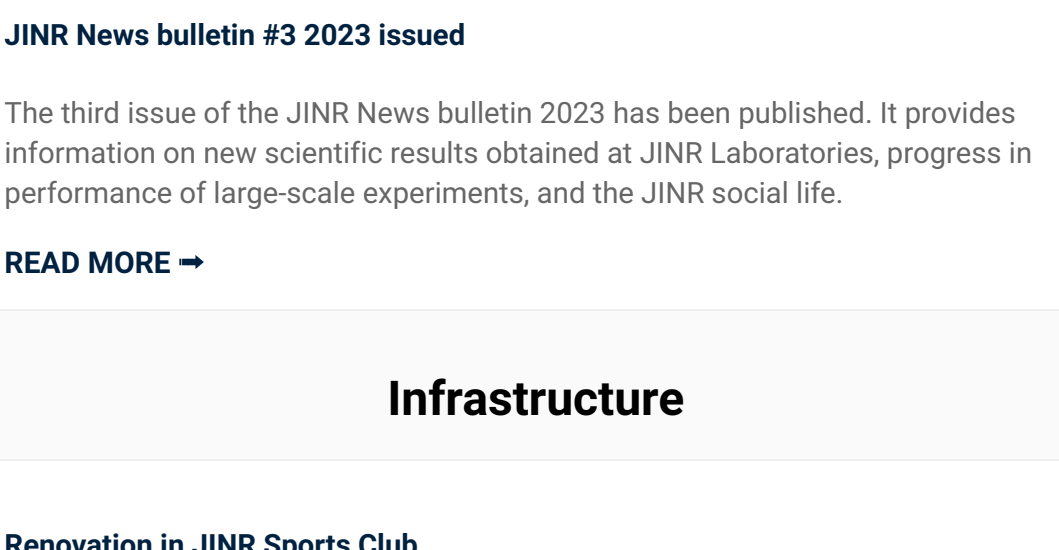
Scientists of the Laboratory of Neutron Physics at JINR together with colleagues from Egypt studied the elemental composition of bottom sediments of the Egyptian coastal waters of the Mediterranean and Red Seas. To do this, they used the IBR-2 Reactor at JINR, as well as an inductively coupled plasma mass spectrometer ICP-MS.

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Conferences

Registration for School on Physics of Quark-Gluon Matter opened

On 16 - 20 November, the Joint Institute will host the School on Physics of Quark-Gluon Matter. The programme includes lectures on methods and approaches used in modern experiments in high-energy physics, and much more. Participants will have excursions to the JINR laboratories. Registration is open until 26 October.



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Nuclear physics methods for study of cultural objects being discussed in Tashkent

On 12 - 13 September, the Third International Workshop "Application of nuclear physics methods for the study of cultural heritage objects" took place in Tashkent, the Republic of Uzbekistan. The event was dedicated to the 80th anniversary of the Academy of Sciences of the Republic of Uzbekistan.

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RuPAC'23 Accelerators Conference started in Novosibirsk

The Russian Particle Accelerators Conference RuPAC'23 began on 11 September at the Budker Institute of Nuclear Physics. More than 40 JINR scientists are participating in the Conference, 29 of whom are presenting reports on the topics of the NICA Megascience Project.

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Milestones of BM@N Experiment Meeting

The event, organized by the Laboratory of High Energy Physics at JINR, was held on 12 - 13 September at VBLHEP. Participants discussed the analysis of the data obtained at the NICA Complex and held a meeting on the experiment software. The BM@N Collaboration expanded with our colleagues from the National Research University Higher School of Economics (Russia) and Institute of Physics and Technology (Uzbekistan).

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Education

JINR-based department at Kazan Federal University graduated first graduate students

On 7 September, two graduate students of the JINR-based department Olga Lis and Bulat Bakirov successfully defended their final qualification works. They have already been hired as junior researchers in the DN-12 Group of the Diffractometry Sector of the Laboratory of Neutron Physics at JINR.

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JINR represented at Physics Career Forum

UC JINR Director Dmitry Kamanin presented the Institute at the Physics Career Forum at St. Petersburg State University on 8 September. He spoke about the advantages of working at JINR, employment prospects for graduates, and educational programmes for students.



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Registration for Wave 9 of INTEREST programme announced

Registration for the 9th wave of INTEREST, an online educational programme for students from all over the world, has begun. The 9th wave will take place on 30 October - 10 December, and you can apply until 8 October.

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JINR Youth

Picnic in Ratmino. "Back to Office"

The Back to Office picnic organized by AYSS for young JINR employees and their families will be held on 23 September from 2:00 to 7:00 PM. There will be sports games, music, and barbeque. You can bring your own food, drinks, board games, and musical instruments.

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Digest of main AYSS events

Young scientists and specialists attended the Open Day of the Tensor Equipment Plant, took part in the Dubna Sailing Championship, played a friendly paintball match. The winners of the Social Mortgage competition were awarded.

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Announcements

Enrolment for experimental physics classes

The JINR University Centre has announced the enrolment of 10th form students for Experimental Physics additional classes. An employee of the JINR University Centre Ivan Lomachenkov is a teacher. The organizational meeting will take place on 5 October, at 4:30 PM. For any inquiries, please contact +7 (903) 148-46-45.

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Archimedes Swimming Pool of JINR resumes its work

After preventive maintenance, the Archimedes Swimming Pool of JINR is opening. On 15 September, you can swim at 7:00, 7:45, 8:30 AM and 5:15, 6:00, 6:45, 7:30 PM. Saturday and Sunday are days off. From 18 September, the pool is open according to the usual schedule. For any inquiries, please call +7 (916) 214-65-76.

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Publications

JINR News bulletin #3 2023 issued

The third issue of the JINR News bulletin 2023 has been published. It provides information on new scientific results obtained at JINR Laboratories, progress in performance of large-scale experiments, and the JINR social life.

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Infrastructure

Renovation in JINR Sports Club

The renovation of the JINR Sports Club continues. A huge amount of work has been done. Now, the installation of ventilation equipment, minor repairs in the big hall and in other rooms are being finished. The work is to be completed by the end of September.

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Media

Video about PRC-JINR Joint Coordination Committee

Watch a video to learn more about the first meeting of the PRC-JINR Joint Coordination Committee.

[WATCH →](#)

Competition for best Mascot of Decade of Science and Technology

The competition for the best Mascot is coming to an end. We would like to draw your attention to the Far Eastern leopard Yura, a symbol of scientists' struggle to preserve the population of rare animals in Russia. Yura is named not by chance, but in honour of an outstanding scientist Yuri Oganessian. You can vote on the [website](#) until 15 September.

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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 →](#)

DLNP seminar records

We kindly invite you to watch records of the seminars "FLAP International Collaboration: Fundamental & Applied Linear Accelerator Physics collaboration" by Pavel Karataev and "RenesANCe Monte Carlo generator: status and new developments" by Renat Sadykov.

[WATCH seminar by Pavel Karataev →](#)

[WATCH seminar by Renat Sadykov →](#)

JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #34 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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Sports

Victory of JINR employee

Irina Migulina, a VBLHEP employee, participated in the 5th Kazakhstan Swimming Championship in the Masters category. She won two gold medals in the 50 and 100 metres breaststroke.

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JINR team participated in track and field race

On 13 September, the JINR team took part in the sports contest among the physical culture collectives of the city's enterprises in track and field race. JINR employees won prizes. A total of 153 athletes from 11 enterprises and educational institutions of the city participated.

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Upcoming Events

Advisory and Governing Bodies

- [21 - 22 September, 134th session of the JINR Scientific Council, JINR International Conference Centre, Dubna](#)

Conferences

- [12 - 14 September, Third International Workshop "Application of nuclear physics methods for the study of cultural heritage objects", Tashkent, Republic of Uzbekistan](#)
- [18 - 23 September, XXV International Baldin Seminar on High Energy Physics Problems, "Relativistic Nuclear Physics and Quantum Chromodynamics" \(Baldin ISHEPP XXV\), JINR, Dubna](#)

Seminars

- [14 September, 4:00 PM, BLTP "EPS Conference on High Energy Physics: news, results, and impressions" by Dmitry Kazakov](#)

Culture

- [14 September, 7:00 PM, JINR Universal Public Library, Summer Reading List book club: discussing a book "The Land of Foam" by Ivan Yefremov](#)
- [15 September, 6:00 PM, JINR Universal Public Library, English speaking club](#)
- [15 September, 6:00 PM, JINR Universal Public Library, JINR Cinema Club](#)
- [15 September, 6:30 PM, JINR Universal Public Library, Dubna intellectual games club](#)
- [15 September, 7:00 PM, JINR Cultural Centre "Mir", Literary and musical performance](#)
- [16 September - 30 September, from 11:00 AM to 8:00 PM on weekdays, from 12:00 AM to 6:00 PM on Saturday, JINR Universal Public Library, Exhibition "Especially beloved"](#)
- [19 September, 5:00 PM, JINR Universal Public Library, Dance Psychological Project](#)
- [19 September, 6:00 PM, JINR Cultural Centre "Mir", Conversations about artists, Impressionists](#)
- [19 September, 7:00 PM, JINR Universal Public Library, Genealogical club's meeting](#)
- [21 September, 7:00 PM, JINR Universal Public Library, Summer Reading List book club: discussing a book "Bonjour Tristesse" by Françoise Sagan](#)

For Kids

- [16 September, 3:00 PM, JINR Universal Public Library, Let's READers and "Growing up from "Let's READers"](#)
- [17 September, 5:00 PM, JINR Cultural Centre "Mir", Musical performance for children](#)

[ALL JINR EVENTS →](#)