For Press <u>News</u> **Events**

Dear colleagues and friends,

JINR not only welcomes new countries on its cooperation orbit, but also actively develops and deepens partnerships with the Member States. This week, new frontiers of joint work were discussed during two high-profile visits to the Institute: by Ambassador Extraordinary and Plenipotentiary of Belarus and a delegation from the country's National Academy of Sciences.

JINR Newsletter #35, 18 September 2024

The Institute is summing up the work of the 136th session of the Scientific Council, one of the highlights of which was the announcement of the laureates of the 2024 OGANESSON Prize. The Joint Institute is also launching a new programme for scientific youth, the JINR Fellowship Programme. You can read about this and much

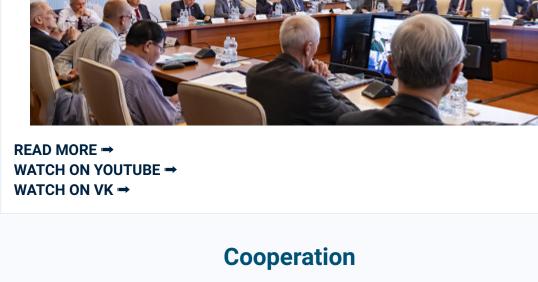


Results of 136th session of JINR Scientific Council: reaching new frontiers The event took place in Dubna on 12–13 September. JINR Director Grigory Trubnikov

Governing Bodies

reported on the key events of 2024 in the Institute's life. The winners of the OGANESSON Prize were announced and the laureates of the Bogoliubov, Dzhelepov,

and Flerov Prizes were awarded. The winners of the 2023 JINR Prizes received diplomas. IT INSTITUTE FOR NUCLEAR RESEARCH



Ambassador Extraordinary and Plenipotentiary of Republic of Belarus to Russia visits JINR

On 16 September, Ambassador Extraordinary and Plenipotentiary of the Republic of Belarus to the Russian Federation Alexander Rogozhnik visited the Joint Institute for Nuclear Research. At the meeting with the leadership of the Institute, the parties

discussed prospects for the development of comprehensive cooperation between JINR and Belarus.



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Winners of 2024 OGANESSON Prize announced

Awards

On 13 September, at the 136th session of the JINR Scientific Council, the winners of

the 2024 OGANESSON Prize were announced. The Prize was created at the



Conferences

On 7 September, Advisor to the FLNP JINR Directorate Marina Frontasyeva spoke at

delivered a report about the UN Clean Air Programme for Europe and its promotion to

the webinar dedicated to the International Day of Clean Air for Blue Skies. She

FLNP JINR at webinar of UN Environment Programme

for blue skies

Particle Accelerators organized the event.

Kazakhstan, and Russia.

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Asia and the Pacific Coast countries.

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in Alushta

International Day of Clean Air

On 15–20 September, the Dubna Resort House (Alushta, Russia) is hosting the 15th seminar entitled "Problems of colliders and charged particle accelerators" in memory of the outstanding JINR scientist, Professor Vladislav Sarantsev. JINR, the Budker Institute of Nuclear Physics, and the RAS Scientific Council on Problems of Charged

International seminar on problems of charged particle accelerators takes place

READ MORE → Research

On Geant4 model of electron beam mode in clinical linear accelerator

in the article published by the Journal of Instrumentation. READ MORE → Analysis of shape of multiplicity distributions of prompt neutrons emitted in spontaneous fission

The model was developed by scientists from VBLHEP at JINR, Tomsk Polytechnic University, and Russian and German medical centres. Read more about the research

The study <u>issued</u> by the *Journal of Radioanalytical and Nuclear Chemistry* was carried out by FLNR JINR researchers in collaboration with colleagues from France,

Thin-film heating element with silver nanowires network embedded inside Together with colleagues from Russian scientific centres, FLNR JINR researchers devised an innovative method for fabricating a thin-film polymer heating element.

Learn more about the study in the article <u>published</u> in *Nanotechnology*.

FLNP JINR researchers conducted air biomonitoring in national park of Kazakhstan The study was carried out by FLNP JINR scientists in collaboration with researchers from scientific and educational centres of Georgia, Kazakhstan, Moldova, and

Romania. Environmental Monitoring and Assessment released an article about this

Excitation-energy dependence of fission-fragment neutron multiplicity in improved scission-point model

University (Romania), and Tomsk Polytechnic University (Russia). To find out more

The research was conducted by scientists from BLTP at JINR, Babes-Bolyai

about the work, read the article in Physical Review C.



Education Fourth science school for Egyptian schoolchildren On 10–14 September, JINR hosted the 4th Science School for Students of the

Children's University of the Egyptian Academy of Scientific Research and Technology. Throughout the week, the schoolchildren got introduced to the laboratories of the Institute and participated in hands-on physics workshops at the JINR University

Comparative biomonitoring of airborne PTEs using mosses and lichen

available in Environmental Science and Pollution Research.

The study was made by FLNP JINR researchers together with colleagues from Romanian and Serbian scientific centres. More details about this research are

Announcements

The Joint Institute invites scientists and engineers to participate in the international JINR Fellowship Programme. It provides an opportunity for young and experienced

researchers to join JINR scientific projects and work in international teams.

Applications can be submitted via the link until 5 October 2024.

JINR Fellowship Programme: call for applications

READ MORE → Registration for conference on neutron research of condensed matter starts

The event will take place on 11–15 November at Dubna State University in a hybrid format. The conference topics include development and modelling of neutron scattering stations, neutron radiation detectors, detector electronics, neutron

experiment techniques, life sciences, and much more. Applications are accepted via

AYSS-2024: registration ends soon The conference will take place on 28 October–1 November at MLIT at JINR. Students, young scientists, and specialists under 36 can participate. Registration and <u>abstract submission form</u> will be available until 22 September, 11:59 PM. If you have already registered, please remember to attach an abstract of your report.

the link until 15 October.

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projects.

work in.

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Art & Science lecture

4th Young Scientists Congress

JINR Scientific Council: video

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The event will take place on 20–22 November in Sirius, Russia. If you work at JINR and wish to participate, please register via the link and send an email to ayss@jinr.ru (subject: Young Scientists Congress) with your full name and the department you

Media

On 12–13 September, the 136th session of the JINR Scientific Council took place in Dubna. Please enjoy video featuring interviews with JINR Director Grigory Trubnikov, SC Chairman Sergey Kilin, and IFT UAM-CSIC (Madrid) Professor Alvaro de Rújula.

Please note that English and Russian subtitles are available in the video.

On 24 September, at 4:30 PM, the JINR Scientists' Club invites everyone interested to the lecture by art producer and curator Olga Vad. She will talk about the direction at the intersection of science, art, and new technologies and demonstrate examples of

WATCH ON VK → A day in JINR life On 12 September, the JINR Telegram channel published a post featuring an archive photograph with members of the Professor Wang Ganchang's group near the Laboratory of High Energy taken exactly 64 years ago, on 12 September 1960. Please enjoy the photo and its description.

We offer you to watch a recording of the seminar entitled "Status and recent results

We offer you to watch a video review of highlights from the life of the Institute and

of the FASER Experiment at the LHC" by Sergey Dmitrievsky.

WATCH ON YOUTUBE → WATCH ON VK →

Video about past week JINR and Dubna events

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Seminar recording

Dubna.

WATCH →

Workshops & Seminars

Seminars

<u>Das</u>

Culture

Leonid Bork

JINR Weekly Newspaper issued A new issue of the JINR Weekly Newspaper #35 has been published. Please note that you can read an English version on the JINR Newspaper's website. READ MORE →

Upcoming Events

• 15-19 September. China-JINR Workshop on Software and Computing for

• 19 September, 12:30 PM. BLTP. "Split Casimir operator, Vogel parameters,

25 September, 11:00 AM. BLTP. "Scattering amplitudes and shape factors in supersymmetric gauge theories in perturbation theory and beyond" by

Future HEP Experiments. Listvyanka Village, Russia • 15–20 September. 15th International Seminar on Problems of Charged Particle Accelerators in memory of Professor Vladislav Sarantsev. Alushta, **Russia**

and colour factors in gauge theories" by Alexander Provorov **20 September**, 12:30 PM. BLTP. "Defects in supersymmetric fields theories and string theory" by Dmitry Galakhov 23 September, 12:30 PM. BLTP Journal Club. "James Webb Telescope strengthens the Cosmology's biggest controversy again" by Chitta Ranjan

- 3-29 September. Daily from 1:00 to 7:00 PM (except Monday). JINR Mir <u>Cultural Centre. Antigravity exhibition of watercolour landscapes</u> • 18 September, 7:00 PM. JINR Mir Cultural Centre. "Classics are fashionable" fashion show
 - 20 September, 6:00 PM. JINR Universal Public Library. English speaking <u>club</u> • 21 September, 6:00 PM. JINR Mir Cultural Centre. Three Days of Rain performance

• 19 September, 7:00 PM. JINR Universal Public Library. Hairpin book club

20 September, 6:00 PM. JINR Universal Public Library. JINR Cinema Club

• 21 September, 2:30 PM. JINR Universal Public Library. "Moscow Region birds, close and unfamiliar" lecture 22 September. Trip to the Pushkin State Museum of Fine Arts 22 September, 5:00 PM. JINR Mir Cultural Centre. Musical play for children

24 September, 4:30 PM. JINR Scientists' Club. Art & science: background

- For Kids 21 September, 4:00 PM. JINR Museum of the History of Science and Technology. Future Scientists' Club class: rocks of Moscow region
- 21 September, 5:00 PM. JINR Universal Public Library. "Let's READers" 21 September, 6:00 PM. JINR Universal Public Library. Meeting of book club for teenagers **Sports**

and trends. Lecture

• 21 September, 12:00 PM. JINR Nauka Stadium. Archery tournament 22 September, 11:00 PM. JINR Archimedes Pool. 55th annual track and field run in memory of Academician Veksler ALL JINR EVENTS →

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more in the latest issue of the JINR Newsletter.