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

JINR Newsletter #46, 5 December 2024

Dear colleagues and friends,

Last week was full of remarkable events. A JINR delegation paid a working visit to the Republic of Azerbaijan, during which an agreement was signed with Khazar University. In Hungary, JINR, Debrecen University, and the Institute for Nuclear Research (ATOMKI) signed a cooperation agreement.

JINR researchers participated in a series of significant scientific forums, from Brazilian Campinas to Russian Sirius: SyncLight 2024 international school in Brazil and the Young Scientists Congress in Russia.

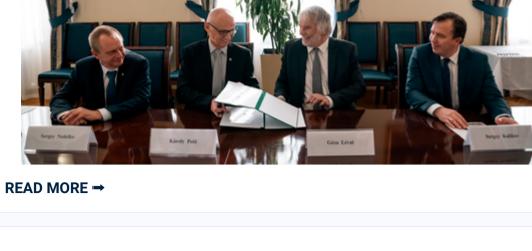
Please enjoy the December edition of the JINR wallpapers, new publications, announcements of interesting lectures, and much more in the latest issue of the JINR Newsletter!



Cooperation

JINR, University of Debrecen, and Institute of Nuclear Research to expand cooperation A trilateral agreement has been recently signed between JINR, the University of

Debrecen, and the Institute of Nuclear Research (ATOMKI) in Debrecen, Hungary. The document is aimed at strengthening ties in personnel training, academic mobility programmes, collaborative research, and organization of joint events, including training courses and conferences.



JINR in Baku: new cooperation opportunities

the Republic of Azerbaijan to participate in a number of high meetings. The signing of a cooperation agreement between JINR and Khazar University was one of the

visit's highlights. READ MORE →

Conferences

A delegation of the Joint Institute headed by JINR Director Grigory Trubnikov visited

From 27 to 29 November, Sirius (Russia) hosted the 4th Young Scientists Congress,

which gathered specialists of more than 60 countries. A delegation of the Joint

Institute actively participated in several panel discussions on science diplomacy,

JINR at 4th Young Scientists Congress

nuclear medicine, and international cooperation.



place in Dolgoprudny, Russia. The event aims to bring together different research

This week, the school and workshop on new methods of physics experiments' data, jointly organized by JINR and Moscow Institute of Physics and Technology, is taking

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JINR at school on synchrotron techniques in Brazil

groups to develop new concepts for processing large amounts of data.

techniques, took place from 14 to 25 October 2024 in Campinas, Brazil. Young FLNP JINR employees participated in the event: they contributed to the discussion of current scientific problems and the development of international partnership. READ MORE →

Publications

SyncLight 2024, the international school of advanced science on synchrotron

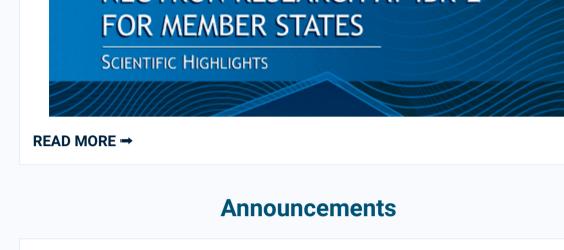
past decade.

The Frank Laboratory of Neutron Physics at JINR released a digest about neutron studies carried out at the IBR-2 Pulsed Reactor. The edition presents a selection of

FLNP JINR booklet on neutron research at IBR-2 published

NEUTRON RESEARCH AT IBR-2

research highlights by the scientific groups from the JINR Member States over the



On 5 December, at 5:00 PM, at the JINR Scientists' Club, JINR employees Alexey

Zhemchugov and Elena Badawy will discuss the Symposium on the History of Modern Physics held in China and talk about possible approaches to the study of the history of science at the Joint Institute.

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Lecture on history of quantum mechanics

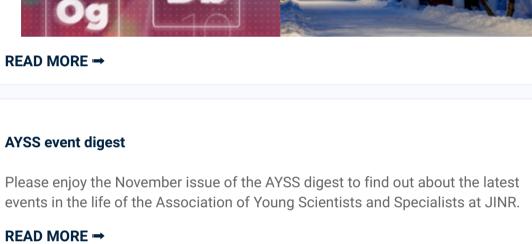
Mini lectures by LRB JINR scientists What secrets are hidden in DNA? Is there extraterrestrial life? How radiation helps cure cancer? Employees of the Laboratory of Radiation Biology at JINR will answer

these and many other questions on 6 December at 6:30 PM at the JINR Universal Public Library.

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Media

December wallpapers for your smartphones This month's JINR Telegram wallpapers feature 10 chemical elements discovered at the Joint Institute and a beautiful winter view from the Mendeleev Embankment in Dubna. You are also welcome to participate in our new quiz.



Exhibition marking DLNP JINR 70th anniversary

A day in JINR life

Laboratory of Nuclear Problems at JINR covering its history from the very beginning. READ MORE →

On 29 November, the JINR Telegram channel published a post with an archive photograph of Ding Dazhao, an employee of the Laboratory of High Energy at JINR from China taken exactly 65 years ago, on 29 November 1959. Please enjoy the

November to 22 December to enjoy the exhibition dedicated to the anniversary of the

Everyone interested are welcome to visit the JINR Mir Cultural Centre from 28

photo and some facts about the scientist.

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JINR in search for young minds In November, employees of laboratories and the University Centre at JINR visited

leading Russian universities to help young people choose their future career. In addition, the Institute's scientists participated in the career-counselling event that

We invite you to watch recordings of seminars "Search for spin-dependent fifth

was organized in the Dubna Special Economic Zone for schoolchildren.

forces in whispering neutron gallery effects" 1 by Alexey Voronin, "Studying gamma background variations using an LVD scintillation detector" by Ekaterina Dobrynina, and "New quantum-mechanical effect and its application in generation of twisted particle beams"³ by Alexander Silenko.

WATCH¹ → WATCH² →

READ MORE →

Seminar recordings

WATCH³ → Video about past week JINR events We offer you to watch a video review of highlights from the life of the Institute.

A new issue of the JINR Weekly Newspaper #46 has been published. Please note that you can read an English version on the JINR Newspaper's website. READ MORE →

JINR Weekly Newspaper issued

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First festival at new climbing gym A major sports event was held in Dubna that gathered 38 athletes from five Russian

cities. Congratulations to the sportsmen on their successful performances!

Sports

READ MORE → **Upcoming Events**

(IASEN-2024). Gordon's Bay, South Africa

accelerator complex" by Anton Baldin

• 3 – 5 December. Conference of young FLNP scientists and specialists. FLNP JINR, Dubna • 3 – 6 December. Baikal Collaboration Meeting. DLNP JINR, Dubna

Conferences

Seminars

• <u>5 December</u>, 3:00 PM. BLTP. "β-expansion for renormalisation group invariants in QCD, where does it come from (BLM)? What is it and what is it for? CBK correlation, diagrams, optimisation of perturbation theory" by Sergey Mikhailov

Anatoly Kotikov

Govorun scholarships

matter physics" by Sergey Streltsov

mechanics: a view from China" lecture

- <u>6 December, 3:30 PM. FLNR. "Study of full cross sections of 10,11,12 Be +</u> ²⁸Si reactions" by Mikhail Naumenko, "Experimental research on nucleon transfer reactions on ³He and ⁶Li ion beams: ³He + ⁹Be, ⁶Li+ ⁹Be, ³He+ ⁴⁵Sc" by Talgat Issatayev
 - Govorun scholarships • 10 December, 10:30 AM. MLIT. Seminar of applicants of Grant Competition for Young JINR Scientists and Specialists in 2025 and Mescheryakov and Govorun scholarships

• 11 December, 10:30 AM. MLIT. Seminar of applicants of Grant Competition for Young JINR Scientists and Specialists in 2025 and Mescheryakov and

9 December, 10:30 AM. MLIT. Seminar of applicants of Grant Competition for Young JINR Scientists and Specialists in 2025 and Mescheryakov and

• 9 – 13 December. 2nd International African Symposium on Exotic Nuclei

• <u>6 December</u>, 11:00 AM. BLTP. "Bjorken sum rule with analytic coupling" by

6 December, 11:30 AM. VBLHEP. "Relativistic nuclear physics at VBLHEP."

- 9 December, 11:00 AM. BLTP Journal Club. "Altermagnetic multiferroics and altermagnetoelectric effect" by Kaushal Kumar Kesharpu • 10 December, 3:00 PM. MLIT. "Modelling of nonlinear dynamics of
- electromagnetic radiation generated by charged particle beams in nonone-dimensional spatially periodic structures" by Svetlana Sytova • 11 December, 11:00 AM. DLNP. "Study of short-range nucleon-nucleon and nucleon-nucleus interactions" by Vladimir Komarov

• 11 December, 3:00 PM. FLNP. "Orbital degrees of freedom in condensed

- 11 December, 4:00 PM. BLTP. "On the origin of mixed inhomogeneous phase in vortical gluon plasma" by Artem Roenko Culture
 - 28 November 22 December. Daily from 1:00 to 7:00 PM (except Monday). JINR Mir Cultural Centre. Exhibition dedicated to DLNP 75th anniversary • 5 December. 5:00 PM. JINR Scientists' Club. "The centenary of quantum
- 5 December, 7:00 PM. JINR Universal Public Library. Summer Reading List book club

5 December. 7:00 PM. JINR Scientists' Club. JINR Film Union

- 6 December, 6:00 PM. JINR Universal Public Library. English speaking club **6 December**, 6:30 PM. JINR Universal Public Library. 15×4 mini lectures 6 December. 7:00 PM. JINR Mir Cultural Centre. Comedy performance
- 7 December, 4:00 PM. JINR Museum of History of Science and Technology. Round table "At origins of scientific Dubna" • 7 December, 7:00 PM. JINR Universal Public Library. Ethnic concert at
- Blokhinka • 7 December. 7:00 PM. JINR Mir Cultural Centre. Symphonic concert 8 December. 4:00 PM. JINR Mir Cultural Centre. Seasons choreographic
- For Kids • 7 December, 5:00 PM. JINR Universal Public Library. "Let's READers"

• 11 December. 7:00 PM. JINR Mir Cultural Centre. Piano concert

ALL JINR EVENTS →

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