

SCIENCE BRINGS NATIONS TOGETHER



JOINT INSTITUTE FOR NUCLEAR RESEARCH

JINR Newsletter #33, 10 November 2022

Dear colleagues and friends,

We are sending this issue of the Newsletter on a special day because we are celebrating the World Science Day for Peace and Development together with our partners! We are sending our best wishes to colleagues from all over the world on this day. The JINR international team contributes daily to the development of science and knowledge of the world. The MPD Collaboration is holding the 10th Meeting to discuss the status of the experiment.

This week, the JEMS-21 Training Programme is taking place, in which representatives of Russian educational institutions and scientific organizations have arrived in Dubna to participate.

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

JINR Press Office



Telegram
@jinrofficial

Celebrations

Happy World Science Day!

JINR Director RAS Academician Grigory Trubnikov on behalf of the international team of the Joint Institute for Nuclear Research congratulates JINR partners on the World Science Day for Peace and Development. JINR highly appreciates contribution of its partners to the development of the international scientific dialogue and welcomes its expansion.



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JINR Weekly Newspaper turns 65

On 7 November, the Weekly Newspaper of the Joint Institute for Nuclear Research “Dubna: science, community, progress” turned 65. Throughout all these years, the Newspaper has been a chronicle of the Institute and the city, a public tribune for scientists, engineers, workers, specialists of city-forming enterprises. It continues to follow its motto “Accessibly and precisely about key things in science”.

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JEMS

JEMS-21 in full swing at JINR

On 7 November, a training programme “JINR Expertise for Member States and Partner Countries” JEMS-21 began. This time, representatives of Russian educational institutions and scientific organizations are participants of the programme. The second workshop of directors of operating and future JINR Infocentres on Thursday will be one of the peculiarities of the JEMS-21 Training Programme.



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Research

Evidence of new physics in the ATLAS experiment at the Large Hadron Collider

JINR scientists have measured the properties of the Higgs boson in one of the decay channels, tested the possibility of a heavy boson birth and long-lived particles in proton collisions. Obtained data confirm the predictions of the Standard Model. Hypothetical particles have not been detected, but the limits on the minimum probability of their birth in the LHC experiment have been updated.

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Conference

Status of MPD experiment discussed at VBLHEP

From 8 to 10 November, the 10th Collaboration Meeting of the MPD Experiment at the NICA Facility is taking place at the Laboratory of High Energy Physics. Participants spoke about the recent results and plans for the near future. As part of the meeting programme, participants will also be able to get acquainted with the status of the works during an excursion to the MPD Hall.



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Education

Excursion to JINR

On 2 November, with the participation of the MSU Department of Particle Physics, an excursion was organized for junior students of the Student Scientific Society of the Faculty of Physics of Moscow State University. Students got acquainted with the interactive exhibition “JINR Basic Facilities”, the Factory of Superconducting Magnets for the NICA Project, the Superheavy Element Factory, the DC-280 Cyclotron, the medical proton beam and were pleased with the excursion.

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JINR Community

New AYSS seminar

The Association of Young Scientists and Specialists of JINR invites you to a new seminar at the JINR Scientists' Club! Pavel Kohout (FLNR) will deliver a report “Mass spectroscopy of superheavy atoms”. He will talk about two mass spectrometers: MASHA (Mass Analyzer of SuperHeavy Atoms) and MR-TOF MS (Multiple-reflection time-of-flight mass spectrometer). This time, the seminar will be held in the second working language of JINR, English.



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JINR Cinema Club

This Saturday, on 12 November, you can enjoy watching a fascinating film “Gandhi” by a British film director Richard Attenborough. All are kindly invited!

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Events in honour of Blokhinka renovation completion

On 12 November, the JINR Universal Public Library invites everyone interested to celebrate the completion of the library facades renovation. At 5:00 PM,

participants will have an architectural and historical walk through the library with its Director, and at 6:00 PM a lecture "Modernism. Library" will be held. In addition, an exhibition "Book Binding" has been organized, where you can see antique books from the library's collection of old books.

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Announcements

Konversationsklub Deutsch by AYSS

Now, the German Speaking Club takes place every two weeks! The next lesson will be held on 14 November, at 18:30, at the JINR Scientists' Club. For beginners (A1), classes will be held once every 2 weeks, the next class is scheduled for 21 November.

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Media

JINR scientist in Supercomputer Russia programme

MLIT JINR Director Vladimir Korenkov took part in the Supercomputer Russia programme of the Pro Business TV channel. He spoke about calculations using the supercomputer "Govorun" in JINR experiments, role of supercomputer computing in the work of the NICA Project and gave forecast of the role of supercomputing in fundamental research.

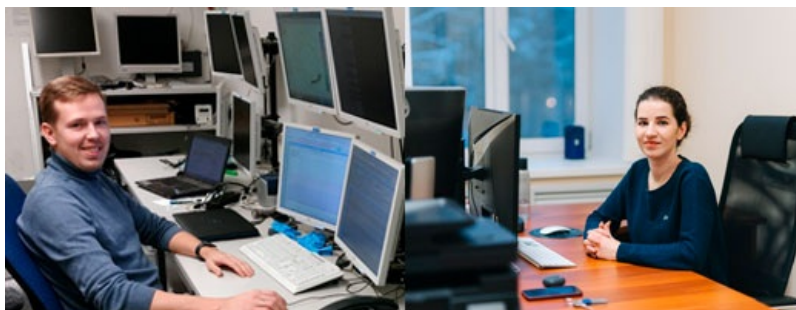


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Interviews with winners of Governor's Award 2022

The winners of the competition for annual awards of the Governor of the Moscow Region in the fields of science, technology, engineering, and innovation for young scientists and specialists in 2022 gave interviews where they talked about their scientific papers.

Alexander Kolesnikov spoke about his work on study and introduction of new materials and technologies for the creation of low-matter gas-discharged position detectors, and Liudmila Kolupaeva talked about her work which is devoted to measuring the parameters of neutrino oscillations in the NOVA experiment (FNAL, USA).



WATCH interview with Alexander Kolesnikov→

WATCH interview with Liudmila Kolupaeva→

At conference on current problems in radiation biology

Watch a video about the conference “Current Problems in Radiation Biology”. Participants discussed various issues of radiation safety of space flights and modern radiation therapy.

WATCH →

Record of seminar

We offer you to watch the record of the seminar “Photons of very high energy from the gamma ray burst GRB221009A: Carpet-2 observations, results of other facilities, and possible interpretations”, which took place on 3 November, at 11:00 AM. The report was delivered by S. V. Troitsky (INR RAS).

WATCH →

JINR Weekly Newspaper issued

New issue of the JINR Weekly Newspaper #43 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

- **7 – 11 November 2022**, 21st JINR Training Course “JINR Expertise for Member States and Partner Countries, JINR Laboratories, Dubna
- **14 – 19 November 2022**, JINR School of Information Technologies, MLIT JINR (mixed format)

Seminars

- **10 November 2022**, at 11:00 AM, VBLHEP. “Device for Super Modules assembling of track system of BM@N experiment” by V. V. Elsha
- **10 November 2022**, at 11:00 AM, MLIT. Memorial seminar dedicated to Nikolai Ivanovich Chernov
- **10 November 2022**, at 11:00 AM, FLNR. “Modernization of the CORSET installation for measuring the charge distribution of fission fragments using the Bragg ionization chamber” by V. V. Kirakosyan and “Experiments with stable and radioactive beams to study the structure of light nuclei” by B. Mauey
- **10 November 2022**, at 3:00 PM, FLNP. “Institute of Automation and Control Processes of FEB RAS – centre for advanced scientific research” by R. V. Romashko
- **10 November 2022**, at 4:00 PM, JINR Scientists’ Club. AYSS seminar series: “Mass spectroscopy of superheavy atoms” by Pavel Kohout
- **11 November 2022**, at 11:00 AM, DLNP. Lecture of a series of DLNP seminars “Lifehacks of some use for a scientist”: “Overcoming anxiety before public speaking” by Oksana Pliskovskaya

- [11 November 2022](#), at 11:00 AM, VBLHEP. “Scaling patterns in stochastic systems” by Georgii Kalagov
- [14 November 2022](#), at 11:00 AM, BLTP. “Mass and angular momentum left ambiguous by Einstein, get definition!” by Chitta Ranjan Das
- [14 November 2022](#), at 3:00 PM, FLNP. “Spatial structure of DNA-aptamers according to the data of small-angle X-ray scattering” by R. V. Moryachkov
- [15 November 2022](#), at 11:00 AM, MLIT. Reporting seminar of young scientists and specialists who received AYSS grants and M. G. Mescheryakov and N. N. Govorun prizes
- [16 November 2022](#), at 11:00 AM, DLNP. “A new species of extremophilic microorganism discovered in an underground spring of the Baksan neutrino observatory (BNO) of INR RAS” by A. S. Yakhnenko
- [16 November 2022](#), at 11:00 AM, MLIT. Reporting seminar of young scientists and specialists who received AYSS grants and M. G. Mescheryakov and N. N. Govorun prizes
- [16 November 2022](#), at 3:00 PM, LRB. “Role of HMG1 gene in regulation of mutation process in yeast *Saccharomyces cerevisiae*” by E. A. Alekseeva

Culture

- [10 November 2022](#), at 6:30 PM. JINR Universal Public Library. Psychological workshop
- [10 November 2022](#), at 7:00 PM. JINR Universal Public Library. Book club “Summer Reading List”: discussing the book “The Demolished Man” by Alfred Bester
- [11 November 2022](#), at 6:30 PM. JINR Universal Public Library. Dubna intellectual game’s club
- [11 November 2022](#), at 7:00 PM. JINR Cultural Centre “Mir”. Screening of documentary film about animals
- [11 November 2022](#), at 7:00 PM. JINR Scientists’ Club. Concert by “RUSQUARTET”
- [12 November 2022](#), at 5:00 PM. JINR Universal Public Library. “New Binding”: in honour of library renovation completion
- [12 November 2022](#), at 6:00 PM. JINR Scientists’ Club. JINR Cinema Club
- [15 November 2022](#), at 5:00 PM. JINR Cultural Centre “Mir”. Concert by soloist of world opera scene

For Kids

- [12 November 2022](#), at 4:30 PM. JINR Universal Public Library. Meetings “Engineering” and “Let’s READers”
- [13 November 2022](#), at 12:00 PM. JINR Scientists’ Club. Children’s circus show

ALL JINR EVENTS →