

SCIENCE BRINGS NATIONS TOGETHER



JOINT INSTITUTE FOR NUCLEAR RESEARCH

## JINR Newsletter #12, 16 June 2022

*Dear colleagues and friends,*

*White nights are in full swing in St. Petersburg. This is a fascinating natural phenomenon in the scenery of the brilliant architecture of the Northern capital. These days, a JINR delegation is taking part in the jubilee [XXV International Economic Forum](#) (SPIEF) in Saint Petersburg. On 17 June, participants of one of the sites of the Forum will discuss big challenges of the Decade of Science and Technology. JINR Director Grigory Trubnikov will give a speech.*

*In this issue, we will tell you about plans of JINR and China to develop scientific cooperation. Read also how Physics Days passed in Dubna (hint: with zest!) and watch a new interview with Yuri Oganessian in the new issue of the JINR Newsletter.*

**JINR Press Office**



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### Information of JINR Directorate on current situation

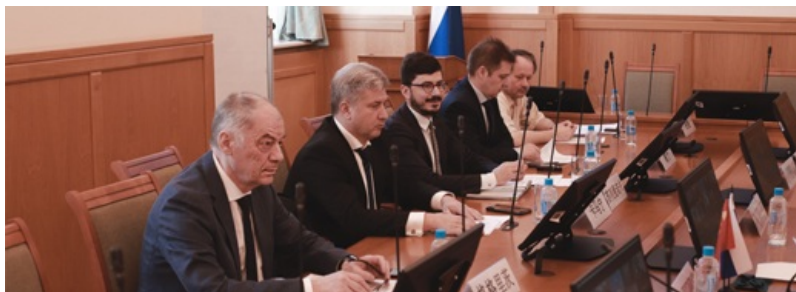
Please, get acquainted with an official information of the Directorate of the Joint Institute for Nuclear Research on the current situation. Latest update: 26 May 2022.

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## Breaking News

### JINR participates in high-tech cooperation between Russia and China

On 9 June, the 13th meeting of the Russia-China Working Group on High Technology and Innovation took place at the site of the Ministry of Science and Higher Education of the Russian Federation in Moscow. JINR Vice-Director Vladimir Kekelidze delivered the report.



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## Academic Degrees

### Five more academic degrees awarded at JINR

On 10 June, the JINR Scientists' Club hosted the presentation of five diplomas on awarding an academic degree. Applicants defended their JINR qualification papers, according to the right received by the Institute in 2019 to independently award academic degrees. At the beginning of the year, the JINR Dissertation Councils switched to the updated regulations, and soon the transition to a new nomenclature of specialties is planned. In total, 11 doctoral and 40 candidate dissertations have been defended in the frames of the new system of awarding academic degrees.

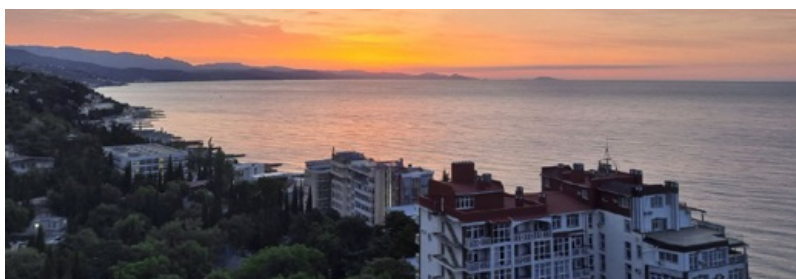


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## Research & Conferences

### Alushta-2022: developing new formats

From 5 to 12 June, the annual International Conference of Young Scientists and Specialists was held in the JINR Resort Hotel "Dubna" in Alushta. Due to external reasons, not everyone managed to get to Alushta this year, but the organised videoconference allowed all the announced lecturers to give speeches. The Conference acquired new formats of lectures and discussions and turned out to be full of events.



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### New article by JINR scientists in journal Physical Review C

A new scientific paper by Rostislav Jolos, Elena Kolganova, Timur Shneidman, and Evgeny Mardyban deals with the evolution of the collective potential along the chain of Zr isotopes. Besides, it is shown that their low-energy structure can be described in a satisfactory way within the geometrical collective model with

the Bohr Hamiltonian.

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### **VI Forum “Nuclear science and Technologies”**

Registration is open for the VI International Scientific Forum “Nuclear science and Technologies” dedicated to the 65th anniversary of the Institute of Nuclear Physics (INP) of the Ministry of Energy of the Republic of Kazakhstan, Almaty, which will be held on 26 – 30 September.

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## **Education**

### **Physics Days: how was it?**

Over 150 guests took part in the traditional Science Festival “Physics Days”. It was organised by the Joint Institute together with the University “Dubna” on 1 - 3 June in Dubna.



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### **Training of engineering staff**

The Department of Physics and Technology of the Engineering Physics Institute of the University “Dubna” under the supervision of Doctor of Physics and Mathematics Alexander Malakhov is training bachelors and masters majoring in Electronics and Automation of Physical Facilities. Theory is combined with laboratory work and practice at science city enterprises.

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### **About LRB JINR research at FEFU**

In the first decade of June, students and postgraduates of the Department of Biophysics of the State University “Dubna” headed by Professor, RAS Academician, LRB JINR Scientific Leader Evgeny Krasavin, took part in the first scientific and practical school-conference of the Institute of Life Sciences and Biomedicine of FEFU. Presented scientific papers were produced on the basis of the Laboratory of Radiation Biology JINR.

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## **People of JINR**

### **About Komikadze comics firsthand**

Tomorrow, on 17 June at 6:30 PM, the JINR Universal Public Library will host the opening of the exhibition “Science in comics: putting complicated things

simple". Speakers will talk about popular science visualisation of research. Five comics are about research conducted by DLNP JINR Sector of Molecular Genetics of the Cell.

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## Media

### Interview with Yuri Oganessian at RAS

People say that his thinking does not always fit into the framework of scientific logic. The creative approach in science is also about him. How to create a creative climate in a team, how to educate young scientists? Yuri Oganessian spoke about it in the interview with Poisk newspaper.



**WATCH** ➡

### "Artificial intelligence in control systems"

At the end of May, with the participation of JINR scientists, the University "Dubna" hosted a scientific and methodological seminar dedicated to the development of higher educational programmes in the field of artificial intelligence.

**WATCH** ➡

### JINR Weekly Newspaper issued

New issue of the JINR Weekly Newspaper #22 has been published. Please note that you can read an English version on the JINR Newspaper's website.

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## Sports

### Dedicated to 51st anniversary of "Archimedes"

On 24 June, Friday, swimming competitions dedicated to the 51st anniversary of the "Archimedes" Swimming Pool will be held.



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# Upcoming Events

## Advisory Bodies

- [23 June 2022, JINR, Dubna. 8th meeting of the NICA Supervisory Board](#)

## Conferences

- [19 June – 19 July 2022, International Conference Hall, JINR laboratories, Dubna. Internship for young scientists from the CIS countries](#)
- [23 – 24 June 2022, Dubna. International scientific workshop dedicated to 20th anniversary of JINR participation in Dimuon Physics Programme within the CMS experiment at the LHC](#)

## Seminars

- [16 June 2022, at 11:00 AM, DLNP. "Critical point of the transition of an electron avalanche to a streamer" by B. Zh. Zalikhanov](#)
- [16 June 2022, at 4:00 PM, JINR Scientists' Club. AYSS seminar series: "Organisation and planning of scientific research at JINR" by Alexey Zhemchugov](#)
- [17 June 2022, at 11:00 AM, FLNP. "Hydrated nanopowders as functional environment for adsorption energy devices and advanced electronics" by A. S. Doroshkevich](#)
- [17 June 2022, at 11:00 AM, FLNR. "Study of the fission properties of excited actinide nuclei in reactions with protons and ions  \$^{16,18}\text{O}\$ ,  \$^{22}\text{Ne}\$ " by K. B. Gikal](#)
- [17 June 2022, at 11:00 AM, BLTP. "Parton distributions in QCD: methods of dispersion relations and integral geometry" by Ilnur Gabdrakhmanov](#)
- [17 June 2022, at 11:30 AM, VBLHEP. "Ultra-peripheral collisions at the Large Hadron Collider" by Alexey Zhemchugov](#)
- [20 June 2022, at 11:00 AM, BLTP, Blokhintsev Conference Hall \(4th floor\). BLTP Journal Club](#)
- [22 June 2022, at 11:00 AM, FLNP. "Methods for measuring the characteristics of delayed neutrons and verifying nuclear data" by Dmitry Gremyachkin](#)
- [22 June 2022, at 3:00 PM, FLNP. Seminar to 75-th anniversary of V. L. Aksenov](#)

## Culture

- [16 June 2022, at 7:00 PM. JINR Universal Public Library. Meeting of the book club "Hairpin": discussing the book "James Miranda Barry" by Patricia Duncker](#)
- [17 June 2022, at 6:30 PM. JINR Universal Public Library. Opening of exhibition "Science in comics: putting complicated things simple"](#)
- [18 June 2022, at 6:00 PM. JINR Scientists' Club. Cinema Club](#)
- [18 June 2022, at 7:00 PM. JINR Cultural Centre "Mir". Cello music concert](#)
- [18 June 2022, at 6:00 PM. JINR Universal Public Library. "Guttenberg's Smoking Room" meeting](#)
- [24 June - 31 July 2022, daily from 3:00 to 7:00 PM. JINR Cultural Centre "Mir". Art exhibition by Vlad Kravchuk and Yana Mikhailova](#)

## Sports

- [18 June 2022, JINR Stadium "Nauka". JINR table tennis open championship "Dubna Open 2022"](#)
- [24 June 2022, Archimedes Swimming Pool. Swimming competitions dedicated to 51st anniversary of Archimedes Swimming Pool](#)

**ALL JINR EVENTS →**

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