

JINR Newsletter #41, 23 October 2026

Dear colleagues and friends,

JINR and Tomsk Polytechnic University signed a cooperation agreement. The parties will work together on complex scientific equipment as well as educational initiatives and projects. In addition, during the JINR delegation's visit to Tomsk, a ceremony took place to confer the title of an Honorary Professor of the university to JINR Director Grigory Trubnikov.

The Joint Workshop on Physics of Strong Interacting Systems organized by the Institute of Theoretical Physics of the Chinese Academy of Sciences and the Laboratory of Theoretical Physics at JINR is taking place in China. Held since 2010, the international forum is alternately hosted by China and the Joint Institute's Member States.

Scientists at the Laboratory of Neutron Physics at JINR are working on antibacterial and anti-tumor drugs based on a potent natural organic compound found in cruciferous vegetables such as broccoli, radishes, cauliflower, and cabbage. Read about this and much more in the latest JINR Newsletter.

JINR Press Office



Cooperation

JINR and Tomsk Polytechnic University signed cooperation agreement

Signed on 15 October in Tomsk, the document provides for the joint creation of complex scientific equipment and work on educational initiatives and projects. As part of the visit, a ceremony took place to confer the title of an Honorary Professor of the university to JINR Director Grigory Trubnikov.



[READ MORE →](#)

Conferences

Experience of Chernobyl accident discussed at ninth Congress on Radiobiology

The recent Congress on Radiation Research featured a round table titled "Forty years since Chernobyl disaster: consequences and lessons". The participants were prominent researchers in radioecology and radiation safety, including those who took part in Chernobyl and Fukushima cleanup as well as Honoured Scientists of Russia and IAEA experts.



[READ MORE →](#)

JINR developing smart medicines based on broccoli component

Scientists at the Laboratory of Neutron Physics at JINR are working on antibacterial and anti-tumor drugs based on a potent natural organic compound found in cruciferous vegetables such as broccoli, radishes, cauliflower, and cabbage. FLNP senior researcher Yulia Gorshkova discussed the study at the SKIF-2026 conference.

[READ MORE →](#)

China hosting ITP CAS–BLTP JINR Joint Workshop on Physics of Strong Interacting Systems

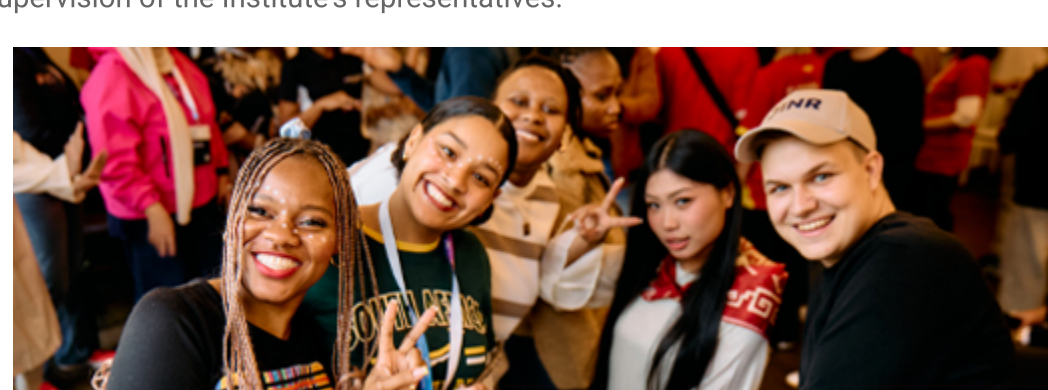
The event started on 19 October in Nanjing. The organizers are the Institute of Theoretical Physics of the Chinese Academy of Sciences and the Laboratory of Theoretical Physics at JINR. Held since 2010, the event is alternately hosted by China and the JINR Member States.

[READ MORE →](#)

Education

International Student Practice finished at JINR

The internship took place from 21 September to 9 October. Sixty students from Vietnam, Egypt, Serbia, and South Africa worked on research projects, toured the JINR laboratories, and presented their results at the final conference under the supervision of the Institute's representatives.

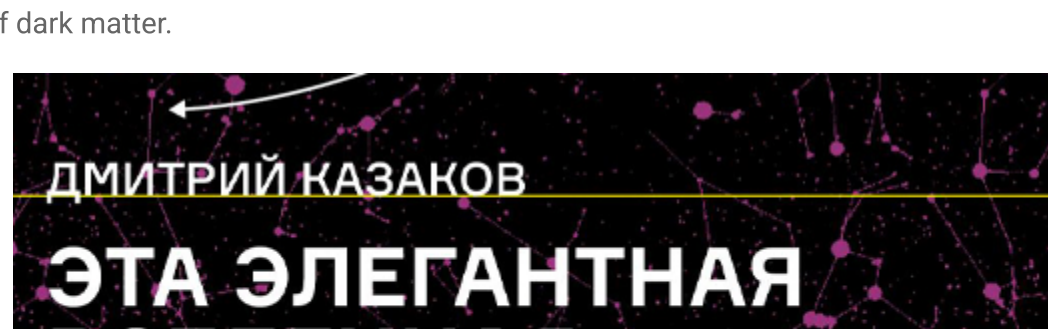


[READ MORE →](#)

Announcements

This Elegant Universe lecture by Dmitry Kazakov

On 24 October, at 16:00, at JINR Universal Public Library, Director of the Laboratory of Theoretical Physics at JINR Dmitry Kazakov will give a lecture about the particle features, the unified theory of all interactions, and hypotheses about the composition of dark matter.



[READ MORE →](#)

Publications

Review of Particles & Nuclei, Letters journal, #5 2026

The JINR Publishing Department issued the fourth part of this year's volume of the "Physics of Elementary Particles and Atomic Nuclei, Letters" journal that includes articles on theoretical, experimental, technical, methodical, and applied research.

[READ MORE →](#)

Review of Particles & Nuclei journal, #5 (Vol. 57) 2026

Please enjoy a review of the fifth part of this year's volume of Physics of Elementary Particles and Atomic Nuclei, a journal that publishes articles with results of the original theoretical, experimental, scientific and technical, methodical, and applied research.

[READ MORE →](#)

Media

AYSS-2026 conference started in Uzbekistan

The 30th International Scientific Conference of Young Scientists and Specialists brought together over 130 participants from ten countries in Tashkent. This year, the event is dedicated to the 70th anniversary of JINR and the Institute of Nuclear Physics of the Academy of Sciences of the Republic of Uzbekistan.



[READ MORE →](#)

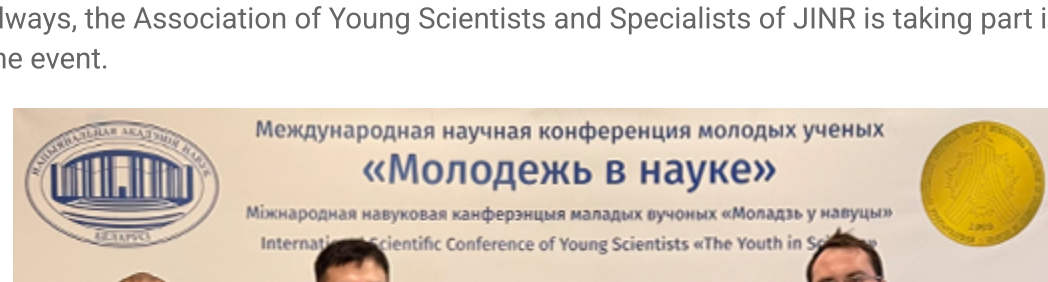
Interview of MLIT JINR Scientific Leader

As part of the JINR Days in Armenia, Vladimir Korenkov gave an interview to the Golos Armenii newspaper. He discussed the application of artificial intelligence in research, including data analysis in large-scale experiments, and outlined the key risks associated with the development of AI.

[READ MORE →](#)

AYSS at National Academy of Sciences of Belarus

On 13 October, the National Academy of Sciences of Belarus hosted the opening ceremony of the 23rd International Scientific Conference of Young Scientists. As always, the Association of Young Scientists and Specialists of JINR is taking part in the event.



[READ MORE →](#)

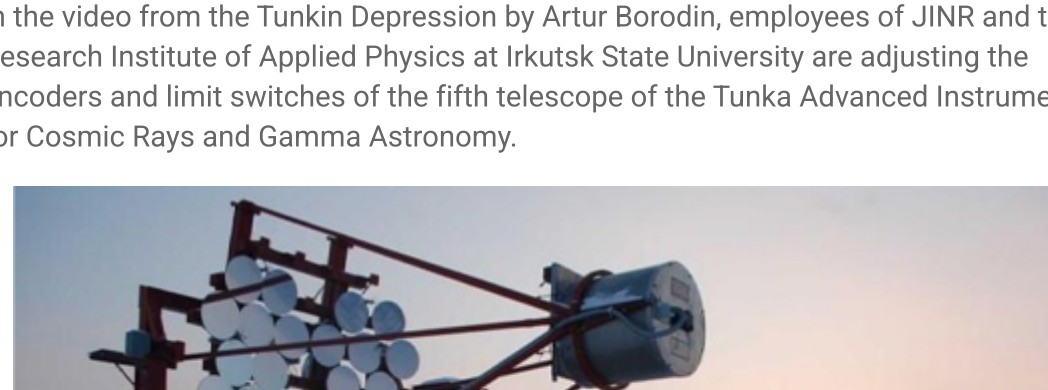
LRB at AMCSB Multitechnology Seminar

Moscow hosted the Multitechnology Seminar of the Association of Specialists in Molecular, Cellular, and Synthetic Biology. Employees of the Laboratory of Radiation Biology took part in workshops.

[READ MORE →](#)

TAIGA Complex timelapse

In the video from the Tunkin Depression by Artur Borodin, employees of JINR and the Research Institute of Applied Physics at Irkutsk State University are adjusting the encoders and limit switches of the fifth telescope of the Tunka Advanced Instrument for Cosmic Rays and Gamma Astronomy.



[WATCH →](#)

JINR at Data Centre & Cloud Kazakhstan Week

Representatives of the Laboratory of Information Technologies at JINR took part in the event held on 5–6 October in Astana. The specialists took part in seminars on data centre design and liquid cooling, attended presentations, and visited an exhibition of cutting-edge technological solutions.

[READ MORE →](#)

Weekly JINR Newspaper issued

A new issue of the Weekly JINR Newspaper, #44, has been published. Please note that you can read an English version on the JINR Newspaper's website.

[READ MORE →](#)

Seminar recordings

We invite you to watch recordings of "Study of $B_c^{*+} \rightarrow J/\psi D_s^{(*)+}$ decays and B_c^{*+} -meson at ATLAS Experiment at Large Hadron Collider" by Tatiana Lyubushkina and "Study of the influence of rotation and acceleration on the QCD phase diagram" by Victor Braguta.

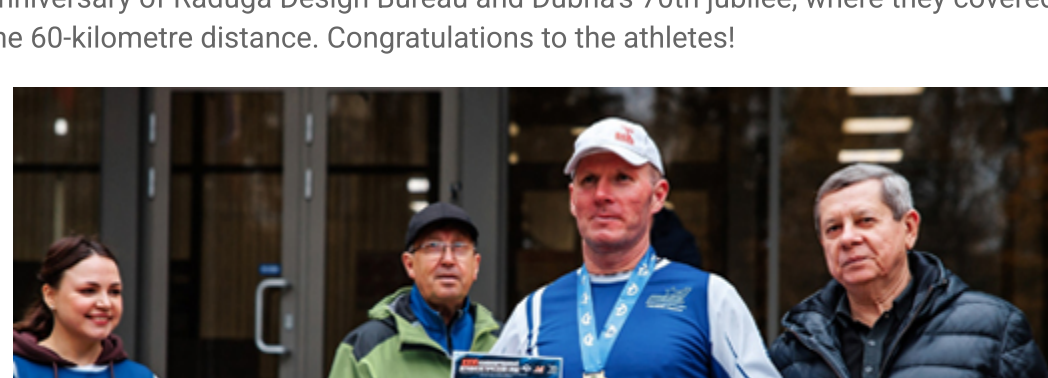
[WATCH¹ →](#)

[WATCH² →](#)

Sports

JINR achievements in running

VBLHEP employees took part in the 26th track and field race dedicated to the 75th anniversary of Raduga Design Bureau and Dubna's 70th jubilee, where they covered the 60-kilometre distance. Congratulations to the athletes!



[READ MORE →](#)

Upcoming Events

Conferences

- **18–23 October**, 14th ITP/CAS–BLTP/JINR Joint Workshop on Physics of Strong Interacting Systems, Nanjing, China

Education

- **26–30 October**, NUMAR-Africa 2026 International School, Cape Town, South Africa
- **26–30 October**, Scientific and methodological school for physics teachers, JINR, Dubna

Seminars

- **23 October, 11:30**, VBLHEP "Precision physics for fundamental physics" by Vladimir Korobov
- **28 October, 11:00**, DLNP "Radiation corrections to observed values in polarised beam experiments" by Aleksei Kamol

Culture

- **22 September – 23 October**, JINR Scientists' Club, Painting exhibition
- **28 October – 2 November**, JINR Mir Cultural Centre, "Formula of Harmony, Season 6" music festival
- **23 October, 18:00**, JINR Universal Public Library, Small-format concert at Blokhinka
- **23 October, 18:00**, JINR Universal Public Library, JINR Cinema Club
- **23 October, 19:00**, JINR Universal Public Library, Summer Reading List book club
- **24 October, 16:00**, JINR Universal Public Library, Hairpin book club
- **24 October, 16:00**, JINR Universal Public Library, This Elegant Universe lecture
- **24 October, 18:00**, JINR Universal Public Library, Guttenberg's Smoking Room meeting

[ALL JINR EVENTS →](#)