



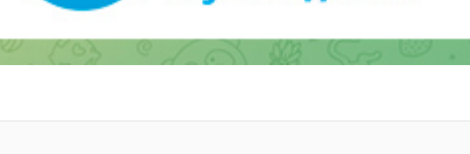
## JINR Newsletter #47, 30 November 2023

Dear colleagues and friends,

Earlier this week, the JINR Director and the Ambassador Extraordinary and Plenipotentiary of Argentina to Russia discussed issues of cooperation development at the meeting. The collaboration meeting of the BM@N Experiment, which during the last run managed to collect more than half a billion events, was another highlight in the life of the Institute.

Videos of JINR laboratories' scientific seminars, podcasts and programmes about JINR science, the JINR youth activity, and much more in a new issue of the JINR Newsletter.

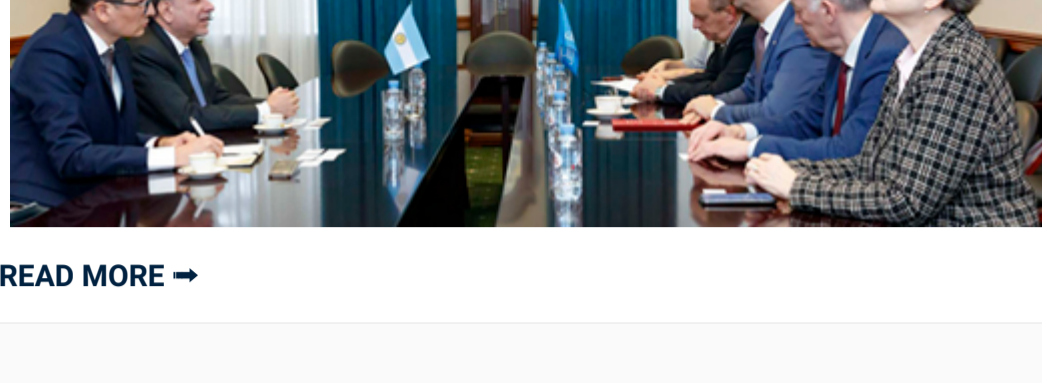
JINR Press Office



### Cooperation

#### Ambassador of Argentine Republic visited JINR

On 23 November, Ambassador Extraordinary and Plenipotentiary of Argentina to Russia Eduardo Antonio Zuain visited JINR and Second Secretary of the Embassy Luciano Javier Liendo. The parties discussed the possibilities of holding joint events, as well as projects of the JINR University Centre, which are of interest to the educational centres of Argentina.



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### Conferences

#### 11th BM@N Collaboration Meeting concluded at JINR

On 28 – 30 November, the Laboratory of High Energy Physics at JINR hosted the 11th BM@N Collaboration Meeting at the NICA Accelerator Complex. Participants discussed the status of the BM@N Experiment, the results achieved since the 10th meeting of the collaboration in May, and future plans.



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### Education

#### Physics Days festival 2023

The Physics Days festival, which took place under the guidance of a leading methodologist of the JINR University Centre Petr Shirkov on 24 November, became a real holiday for young researchers. Schoolchildren helped to conduct chemistry experiments, participated in quests and workshops, and solved puzzles.

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[WATCH →](#)

### Announcements

#### JINR invites employees to participate in sociological survey

The link to the online questionnaire has been sent to all employees of the Institute by e-mail. The results of the survey will help to assess the level of work satisfaction of the Institute's staff. The survey will be concluded on 1 December.

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#### RSF grant competition for young scientists started

The Russian Science Foundation has announced the call for applications within the Presidential research projects programme in two categories, namely initiative research competition for young scientists and youth research groups competition.

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### Books

#### JINR S&T Library exhibition

The JINR Science and Technology Library (S&T Library) invites visitors to the Books of Moscow University Press exhibition on 27 November – 15 December. Topics of presented books are various and include educational, scientific books on physics, mathematics, chemistry, etc.

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#### Bibliographic index of 2022 JINR publications issued

The JINR Science and Technology Library has released a bibliographic index of 2022 JINR staff publications. Most bibliographic descriptions are provided with links to the full texts of the scientific papers.

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### Media

#### JINR at 3rd Congress of Young Scientists in Sochi

JINR representatives have taken part in the 3rd Congress of Young Scientists in Sochi. You can watch records of their speeches.



[WATCH records of day 1 →](#)

[WATCH records of day 2 →](#)

#### JINR scientists in Black Holes. White Spots programme

Scientists of the Laboratory of Theoretical Physics at JINR have participated in the *Black Holes. White Spots* programme. Head of the Sector of Quantum Groups and Integrable Systems of BLTP at JINR Nikolay Tyurin and Laboratory Director Dmitry Kazakov spoke about the prospects of studying mathematical structures in string theory.

[WATCH →](#)

#### MLIT Scientific Leader at International Congress

From 30 November to 2 December, MSU is hosting the International Congress "Modern Problems of Computer and Information Sciences". Today, MLIT JINR Scientific Leader Vladimir Korenkov has delivered a report "Development of distributed concurrent computing for large scientific projects" at the plenary session of the Congress.

[WATCH →](#)

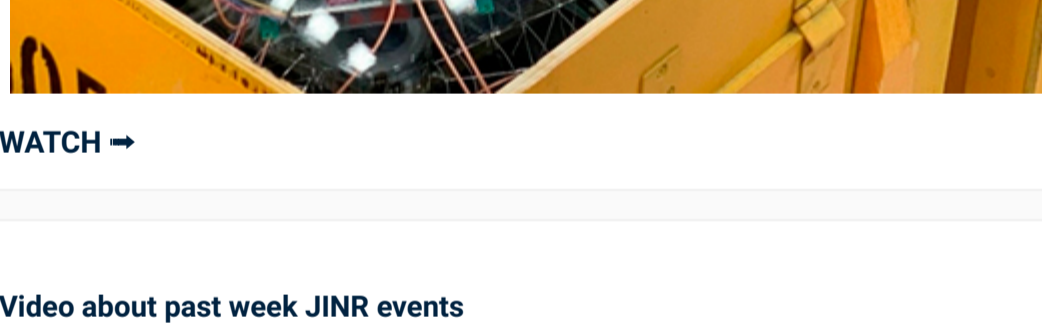
#### New podcast by RIA Novosti with JINR scientist

Why did matter "beat" antimatter in the early universe? What to do with gravity, which the theory does not explain, and where do the free parameters come from, for example, the mass of an electron? Find out the answers to these and other questions in a new episode of the "We will all die. But we are not sure" podcast with Maria Savina (VBLHEP).

[WATCH →](#)

#### Filming at JINR

On 23 November, a programme "Neutrino: features of study and prospects of use" was filmed for the Good Morning morning news TV show on the Channel One Russia. A DLNP senior researcher Bair Shaibonov explained how they catch neutrinos on Lake Baikal and around the world.



[WATCH →](#)

#### Video about past week JINR events

We offer you to watch a video review of recent events from the life of the Institute and Dubna.

[WATCH →](#)

#### Seminar records

We invite you to watch seminar records "Physics at future e<sup>+</sup>e<sup>-</sup> collider CEPC" by Igor Boyko and "Development and research of method for compensating movement of tumours in proton therapy with scanning beam" by Mikhail Belikhin.

[WATCH seminar by Igor Boyko →](#)

[WATCH seminar by Mikhail Belikhin →](#)

#### JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #45 has been published. Please note that you can read an English version of the JINR Newspaper's website.

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### Sports

#### Bullet shooting tournament

On 21 and 22 November, a bullet-shooting tournament among JINR employees was held at the JINR Nauka Stadium. Congratulations to the winners and prize-winners!

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### Upcoming Events

#### Conferences

- [28 – 30 November, 11th Collaboration Meeting of the BM@N Experiment at the NICA Facility, VBLHEP, JINR, Dubna](#)
- [4 – 6 December, Conference of FLNP young scientists and specialists, Frank Laboratory of Neutron Physics, JINR, Dubna](#)
- [5 – 8 December, Baikal Collaboration Workshop, Dzhelpev Laboratory of Nuclear Problems, JINR, Dubna](#)
- [6 – 12 December, Visiting seminar "Scientific activities of JINR", Meshcheryakov Laboratory of Information Technologies, JINR, Dubna](#)

#### Seminars

- [1 December, 10:00 AM, VBLHEP, Lecture series on training of accelerator complex operators. Injection channel from HILAC to Booster, injection and circulation adjustment](#)
- [1 December, 11:00 AM, DLNP, "Precision laser inclinometer in Armenia and task of earthquake prediction" by Grach Torosyan](#)
- [4 December, 10:00 AM, VBLHEP, Lecture series on training of accelerator complex operators, Beam extraction from Booster, Booster – Nuclotron transfer channel, injection into Nuclotron](#)
- [4 December, 11:00 AM, BLTP, Journal Club, "Control of trigonal crystal field in honeycomb cobaltate antiferromagnet towards Kitaev quantum spin liquid" by Pavel Maksimov](#)
- [4 December, 3:30 PM, BLTP, "Acceleration of neutral atoms by strong short-wavelength short-range electromagnetic pulses" by Vladimir Melezchik](#)
- [5 December, 4:00 PM, BLTP, "Study of transport phenomena in materials with topological defects of the rotational type" by Sergey Krasavin](#)
- [6 December, 11:00 AM, DLNP, "Polarisation experiments at MAMI \(Mainz\) and ELSA \(Bonn\)" by Victor Kashevarov](#)
- [7 December, 11:00 AM, DLNP, "Aerogel Cherenkov counters: modern status" by Anatoly Kulikov](#)

#### Culture

- [16 October – 1 December, daily from 2:00 PM to 7:00 PM \(except Saturday and Sunday\), JINR Scientists' Club, "Artist paints Dubna" exhibition](#)
- [10 November – 10 December, daily from 1:00 to 7:00 PM \(except Monday\), JINR Cultural Centre "Mir", Exhibition of young artists of Dubna](#)
- [16 November – 15 December, daily from 1:00 to 8:00 PM \(except Monday\), JINR Universal Public Library, Photo exhibition of local still lifes](#)
- [30 November, 7:00 PM, JINR Universal Public Library, Hairpin book club](#)
- [1 December, 6:00 PM, JINR Universal Public Library, English speaking club](#)
- [1 December, 6:00 PM, JINR Scientists' Club, JINR Cinema Club](#)
- [1 December, 6:00 PM, JINR Universal Public Library, Scrapbooking club's meeting](#)
- [1 December, 6:30 PM, JINR Universal Public Library, Mini-lectures on linguistics](#)
- [1 December, 7:00 PM, JINR Cultural Centre "Mir", Concert "Cozy winter"](#)
- [2 December, 5:00 PM, JINR Cultural Centre "Mir", Opera performance "Little Prince"](#)
- [2 December, Moscow, Trip by JINR Scientists' Club](#)
- [4 December – 2 February 2024, daily from 2:00 to 6:00 PM \(except Monday\), JINR Scientists' Club, Olga Trifonova, Art exhibition](#)
- [7 December, 7:00 PM, JINR Scientists' Club, Watercolour in poetry](#)

#### For Kids

- [2 December, 4:00 PM, JINR Universal Public Library, Children's research project "Archimedes Pear"](#)
- [3 December, 5:00 PM, JINR Universal Public Library, Let's READers](#)
- [3 December, 12:00 PM, JINR Cultural Centre "Mir", Interactive performance](#)

#### Sports

- [2 December, 12:00 PM, JINR Sports Club, Friendly volleyball match](#)

[ALL JINR EVENTS →](#)

