



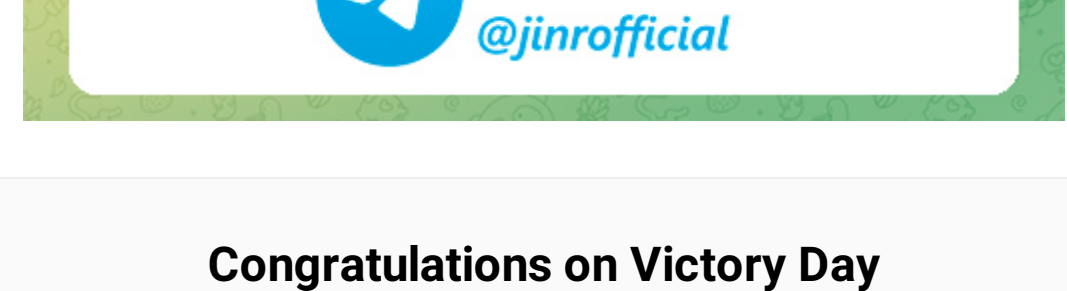
## JINR Newsletter #18, 11 May 2023

Dear colleagues and friends,

A JINR Member State Cuba is in the focus of the past week's events. The Vice-President of the Cuban Academy of Sciences arrived to see how JINR is developing. In addition, JINR celebrated the 80th anniversary of the birth of a Cuban physicist Elias Enralgo Herrero (1943 - 2003), a major specialist in the field of quantum mechanics, a science populariser, JINR Vice-Director in 1983 – 1989.

Read about the research by JINR scientists in materials science and important infrastructure updates, as well about a way to improve business communication skills in the new issue of the JINR Newsletter.

JINR Press Office



## Congratulations on Victory Day

### Happy Victory Day!

JINR Director RAS Academician Grigory Trubnikov congratulated veterans, employees of the Institute, and citizens of Dubna on the Victory Day.

[READ MORE →](#)

## Cooperation

### Vice-President of Cuban Academy of Sciences, "JINR expands scientific interests, considering modern trends in science"

On 4 May, Vice-President of the Cuban Academy of Sciences Carlos de Jesús Rodríguez-Castellanos visited the Joint Institute for Nuclear Research. He got acquainted with the JINR scientific infrastructure and met with representatives of the Cuban community.



[READ MORE →](#)

### JEMS-22 round table: JINR partnership geography expands

On 28 April, a traditional round table took place with the Directorate of the Joint Institute, dedicated to the results of the 22nd JEMS Training Programme. For the first time, representatives of Pakistan took part in JEMS. The signing of a Letter of Intent between JINR and the National Centre for Physics of Pakistan was one of the results of the round table.

[READ MORE →](#)

### Cooperation between JINR and Dubna and Krasnoyarsk space communication centres

Today, the Meshcheryakov Laboratory of Information Technologies JINR welcomed representatives of Dubna and Krasnoyarsk space communication centres. They discussed with leaders of the Laboratory prospects for cooperation and outlined possible ways of interaction with the Krasnoyarsk centre on developing communication of JINR and Siberia for the Baikal-GVD Project.

[READ MORE →](#)

## Research

### JINR tested a new effective approach to study of magnesium alloys

Scientists measured the crystallographic texture of magnesium alloys using neutrons in FLNP JINR. This new approach will help manufacturers understand how to make the alloy more ductile and less breakable when creating new innovative materials from non-ferrous metals. Scientists carried out the study at the SKAT diffractometer at the IBR-2 Research Reactor.

[READ MORE →](#)

## Education

### Project by Kuzbass schoolchildren under guidance of JINR scientist recognised the best

An ecological project by school students from the Kemerovo Region under the guidance of an FLNP staff member Inga Zinicovskaia and mentors of the "Sirius. Kuzbass" Centre became the best at the 3rd conference "Designing the future". Students collected soil samples to check for the content of radionuclides and placed bags with mosses-biomonitors in their cities to assess the air condition in the region.



[READ MORE →](#)

## Infrastructure

### JINR going to increase electrical power capacity for scientific facilities

The Joint Institute for Nuclear Research is going to reconstruct the main step-down substation No. 620 "Sestra" located at the Laboratory of Nuclear Problems. As a result, the reliability and safety of power supply to the Institute's and city facilities will increase. At the same time, the permitted power of the substation will allow specialists to connect new JINR facilities to it in the future.

[READ MORE →](#)

## Media

### Speaking simply about complicated things with JINR scientist

BLTP JINR Director, RAS Corresponding Member Dmitry Kazakov took part in the programme "Speaking simply about complicated things". In the programme, you will learn what is the concept of the string theory's beauty, is there antimatter and whether it is possible to see dark matter and to feel dark energy.

[WATCH →](#)

### Filming at JINR

Today, the TV BRICS film crew has worked at the Meshcheryakov Laboratory of Information Technologies. A MLIT leading programme Alexander Uzhinskiy told journalists about the application to detect diseases of indoor and agricultural plants and showed how it works.

[READ MORE →](#)

### Oksana Pliskovskaya, "The world is changing, and communication skills at work are becoming more important"

The author of the training "Effective communication" Oksana Pliskovskaya spoke about the aim of this training and how psychology could help scientists communicate with their colleagues. The final meeting of the training is scheduled for 12 May, at 11:00 AM. The topic is "Manipulations in business and personal communication".



[READ MORE →](#)

### Tourists show interest in JINR

On 6 May, the JINR Hall of the Dubna Museum (2nd floor of the Bolshaya Volga railway station) hosted cruise ship tourists. The first days of the journey along the Volga showed a great interest of tourists coming to Dubna in the activities of the JINR scientific international organization.

[READ MORE →](#)

### DLNP seminar record

We kindly invite you to watch a record of the AYSS seminar "BM@N, the first step in implementation of the NICA Project" by a VBLHEP leading researcher Sergei Merts.

[WATCH →](#)

## Recalling founders

### In memory of Professor Elias Enralgo

8 May marked the 80th anniversary of the birth of a Cuban physicist Elias Enralgo Herrero (1943 – 2003), a major specialist in the field of quantum mechanics, a science populariser, JINR Vice-Director in 1983 – 1989.



[READ MORE →](#)

## Sports

### Volleyball tournament

On 6 May, a volleyball tournament dedicated to the Victory Day in the Great Patriotic War took place at the JINR Sports Club. Congratulations to JINR on the first place!

[READ MORE →](#)

### JINR open weightlifting championship

On 7 May, the JINR Sports Club hosted the JINR open weightlifting championship, dedicated to the Institute's 67th anniversary. Athletes from Dmitrov, Dubna, Moscow, and Sergiyev Posad took part in the competition.

[WATCH photos →](#)

[SCROLL down for more photos →](#)

## Upcoming Events

### Conferences

- [14 – 19 May, 10th Collaboration Meeting of the BM@N Experiment at the NICA Facility, St. Petersburg \(mixed format\)](#)
- [15 May – 2 June, International Students Practice, Stage 1 \(Egypt\), JINR, Dubna](#)

### Seminars

- [11 May, at 10:00 AM, DLNP "Investigation of neutron backgrounds in low-background experiments using new methods" by Dmitry Ponomarev](#)
- [11 May, at 3:00 PM, DLNP Seminar in memory of Yu. A. Budagov](#)
- [12 May, at 11:00 AM, VBLHEP "Consideration of the project "ARIADNA: Applied research at the NICA Complex" by Oleg Belov and Sergey Tyutyunnikov](#)
- [12 May, at 11:30 AM, VBLHEP "Production of  \$\pi^0\$  and  \$n\$  mesons in proton-nucleus and nucleus-nucleus interactions at momenta from 1.7 to 5.5 GeV/c per nucleon" by Khachik Abraamyan](#)
- [12 May, at 2:30 PM, BLTP "Microscopic analysis of F1 and M1 strengths in  \$^{156}\text{Gd}\$ " by Petr Vishnevskiy](#)
- [15 May, at 11:00 AM, BLTP "The electron is so round that it includes the possibility of new physics" by Chitta Ranjan Das](#)
- [16 May, at 4:00 PM, BLTP "Calculation of formation energy of intrinsic defects in silicon based on Gallitskii-Migdal formula" by Nikita Matsko](#)
- [17 May, at 2:30 PM, BLTP Lecture "Prestellar nucleosynthesis, recombination, and the composition of the Universe" by Vladimir Kondratyev](#)
- [17 May, at 4:00 PM, BLTP "Linear response hydrodynamics of a relativistic dissipative fluid with spin" by David Montenegro](#)
- [18 May, at 11:00 AM, FLNP "Boron-containing plastic composites as neutron shielding material for additive manufacturing processes" by Vladislav Tarnavich and Yuri Chetverikov](#)

### Culture

- [5 – 29 May, daily from 1:00 to 7:00 PM, except Mondays, JINR Cultural Centre "Mir", Bulgaria's contribution to cultural heritage of Slavs](#)
- [11 May, at 11:00 AM, JINR Cultural Centre "Mir", Opening ceremony of an exhibition "Bulgaria's contribution to cultural heritage of Slavs"](#)
- [11 May, at 7:00 PM, JINR Cultural Centre "Mir", Performance "Don't be afraid to be happy"](#)
- [11 May, at 7:00 PM, JINR Universal Public Library, Book club "Summer Reading List", discussing a book "Love in the Time of Cholera" by Gabriel García Márquez](#)
- [12 May, at 6:00 PM, JINR Universal Public Library, English speaking club "Talkative"](#)
- [12 May, at 12:00 PM, JINR Universal Public Library, Lecture on transport](#)
- [13 May, at 6:30 PM, JINR Universal Public Library, Festival of additional development and education "Navigator" in Dubna](#)
- [16 May, at 7:00 PM, JINR Universal Public Library, Genealogical club's meeting](#)
- [18 May, at 7:00 PM, JINR Universal Public Library, Book club "Hairpin": discussing a book "Slynx" by Tatjana Tolstaya](#)

[ALL JINR EVENTS →](#)