



JINR Newsletter #15, 20 April 2023

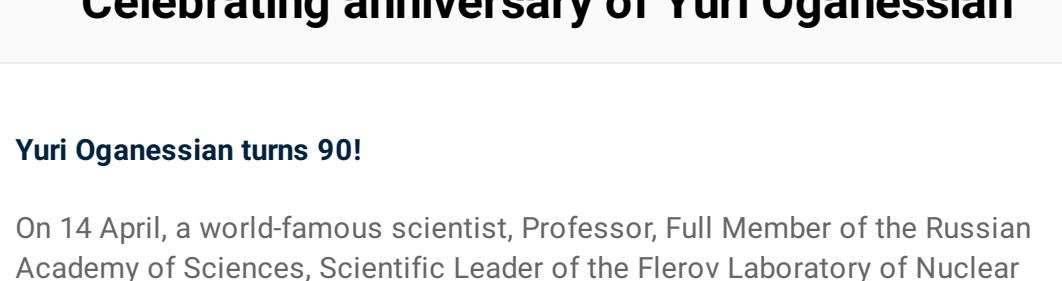
Dear colleagues and friends,

In this issue of the JINR Newsletter, we would like to tell you about the celebration of the 90th anniversary of the man-legend and Mr. Element Yuri Oganessian.

The week has been full of news from the MPD experiment. The 11th Collaboration Meeting is finishing, during which two new participants have joined MPD. In addition, the MPD solenoid was successfully relocated for the first time.

Read about the JINR development for the plant disease detection, the anniversary of the JINR Museum, new events in the issue of the JINR Newsletter!

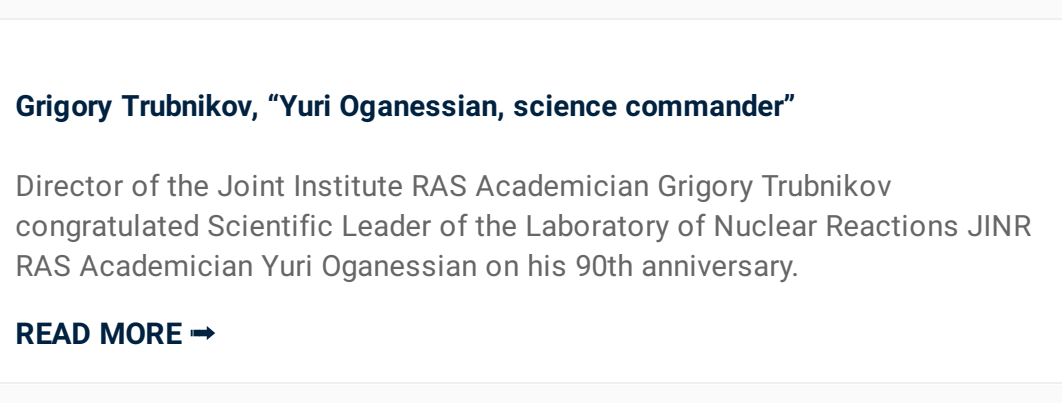
JINR Press Office



Celebrating anniversary of Yuri Oganessian

Yuri Oganessian turns 90!

On 14 April, a world-famous scientist, Professor, Full Member of the Russian Academy of Sciences, Scientific Leader of the Flerov Laboratory of Nuclear Reactions JINR Yuri Tsofakovich Oganessian turned 90.



[READ MORE →](#)

Grigory Trubnikov, "Yuri Oganessian, science commander"

Director of the Joint Institute RAS Academician Grigory Trubnikov congratulated Scientific Leader of the Laboratory of Nuclear Reactions JINR RAS Academician Yuri Oganessian on his 90th anniversary.

[READ MORE →](#)

Yuri Oganessian established annual Prize for young scientists

On his 90th anniversary Yuri Oganessian established an annual prize "Oganessian" for young scientists. Not only young researchers but also science popularisers may become its laureates. The first competition for the prize is planned for the summer and autumn 2023.

[READ MORE →](#)

Celebrating anniversary of Yuri Oganessian in Moscow

On 14 April, a grand seminar dedicated to the anniversary of FLNR Scientific Leader Yuri Oganessian took place in Moscow. Representatives of the leadership of the Ministry of Science and Higher Education of Russia, the State Corporation "Rosatom", RAS, MSU congratulated the prominent scientist.

[READ MORE →](#)

Grand seminar dedicated to 90th anniversary of Yuri Oganessian

To celebrate the 90th anniversary of Academician Yuri Oganessian, a grand seminar will take place at the Bogolubov Laboratory of Theoretical Physics JINR. At the seminar, Yuri Oganessian will present a report "Heaviest nuclei and atoms".

[READ MORE →](#)

MPD Collaboration News

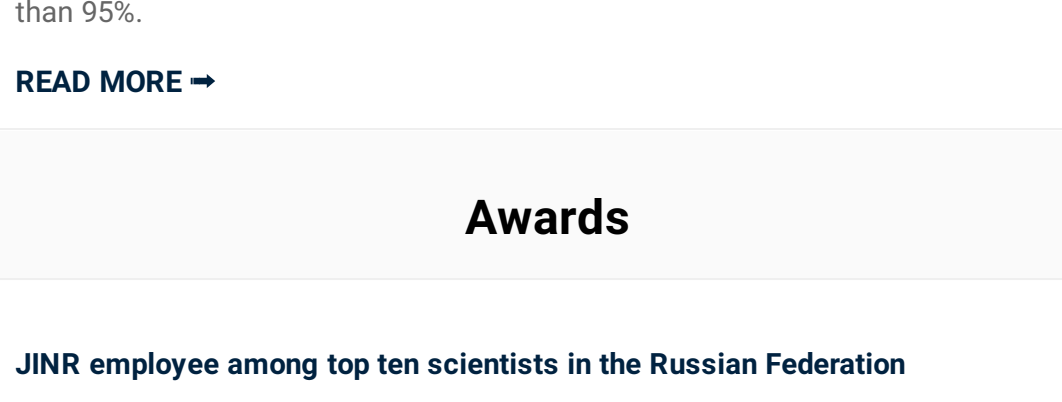
First relocation of MPD solenoid in current configuration

On 14 April, the 800-ton superconducting solenoid of the MPD detector at the NICA Accelerator Complex was moved in its current configuration by 1.8 m for the first time. The MPD configuration now includes the solenoid itself – a magnet of over 5 metres in diameter, – the magnet yoke surrounding it, and the upper platform with cryogenic equipment.

[READ MORE →](#)

MPD develops: collaboration discussing projects progress

On 18 – 20 April, the XI Collaboration Meeting of the MPD Experiment at the NICA Collider is taking place at the Laboratory of High Energy Physics and online. More than 150 participants are discussing the status of the Collaboration and the project, the progress in the development of all the detector's systems.



[READ MORE →](#)

MPD Collaboration grows

There are new members in the collaboration of the MPD Experiment at the NICA Complex. Now specialists from St. Petersburg and, for the first time, from the Republic of Kazakhstan will participate in the project. New participants were welcomed at the 11th Collaboration Meeting of the MPD Experiment.

[READ MORE →](#)

Research

JINR develops platform for plant disease detection

MLIT JINR scientists developed an online platform pdd.jinr.ru to detect diseases of indoor and agricultural plants. The neural network architecture of the platform can detect various diseases and pests with an accuracy of more than 95%.

[READ MORE →](#)

Awards

JINR employee among top ten scientists in the Russian Federation

Recently, the leading scientific platform Research.com has published a list of the best scientists of 2023 in the field of environmental sciences. An employee of the Frank Laboratory of Neutron Physics Marina Frontasyeva got the eight place in Russia.



[READ MORE →](#)

Conferences

Spring School of Information Technologies at MLIT

On 18 - 19 April, the JINR Spring School of Information Technologies took place at the Meshcheryakov Laboratory of Information Technologies. Students from several universities presented reports on various topics. At the end of the School, they were admitted to speak at the GRID2023 international conference.

[READ MORE →](#)

JINR Community

Institute's history carefully preserved for thirty years

On 19 April, the JINR Scientists' Club hosted the celebration of the anniversary of the JINR Museum of Science and Technology. The Museum has done and continues to do a lot to preserve the memory and popularise science. At the meeting, the Museum founders shared their memories of the history of its creation.



[READ MORE →](#)

JINR takes care of our beloved science city!

Employees of the Institute gathered for a subbotnik on 13 April. They cleaned up the territory of the Institute's sites, as well as the streets of the city surrounding the administrative buildings of JINR.

[READ MORE →](#)

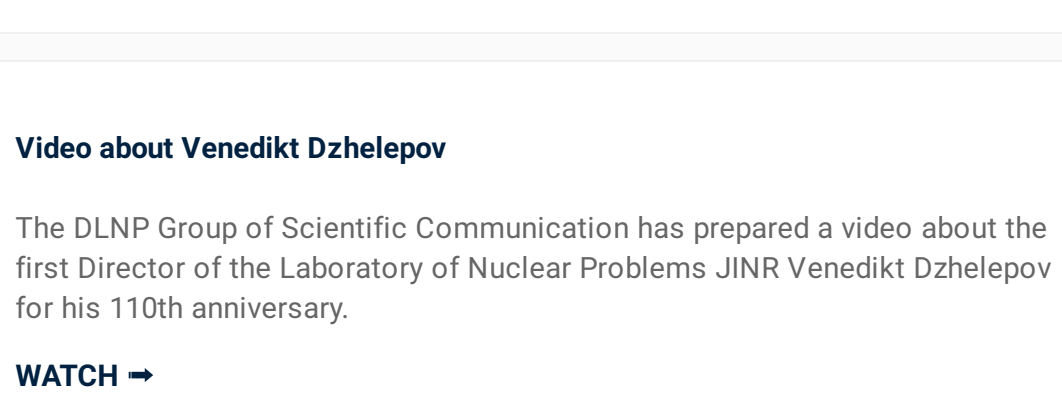
Training of a series of DLNP seminars "Lifehacks of some use for a scientist"

Two training sessions by a psychologist Oksana Pliskovskaya "Effective communication" took place, which are being held within the project "Lifehacks of some use for a scientist". There are two more training sessions ahead, you can register by e-mail: dubovik@jinr.ru (Elena Dubovik, Head of DLNP JINR Group of Scientific Communication).

[READ MORE →](#)

JINR Cinema Club

This Saturday, on 22 April, at 6:00 PM, you are kindly watching an animated fantasy film "The Secret of Kells" (2009). All are kindly invited! Please note that the JINR Cinema Club will be held in the JINR Universal Public Library.



[READ MORE →](#)

Media

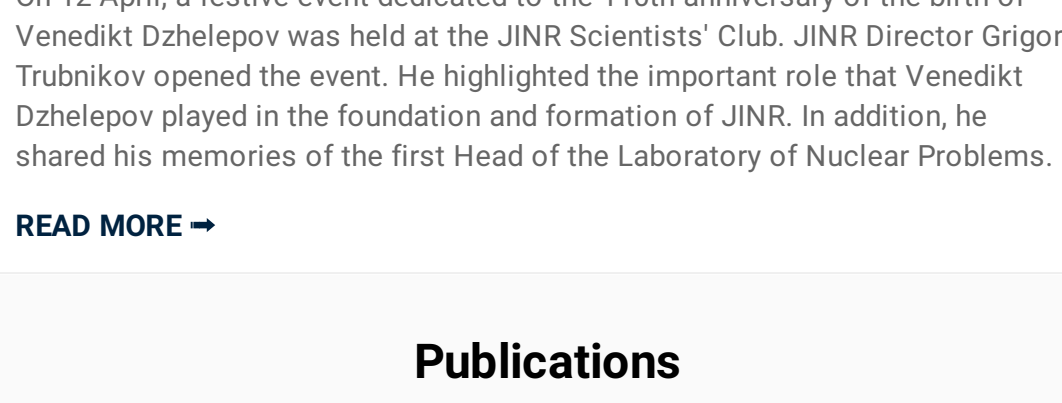
Coverage about Yuri Oganessian

On 14 April, the Russia 24 TV channel released a special coverage "The island of stability of Yuri Oganessian" dedicated to the scientific path of the legendary physicist.

[READ MORE →](#)

Relocation of MPD solenoid

Please watch a video about the relocation of the 800-ton superconducting solenoid of the MPD detector.



[WATCH →](#)

Elec.ru portal questions efficiency of newest German electric generator

Earlier this year, German company Neutrino Energy unveiled a prototype of a neutrino-powered fuel-free generator. A DLNP JINR scientist Oleg Smirnov helped the Elec.ru portal to figure out what lies behind the screaming headlines about the innovative idea in energetics.

[READ MORE →](#)

Video about Venedikt Dzeheleпов

The DLNP Group of Scientific Communication has prepared a video about the first Director of the Laboratory of Nuclear Problems JINR Venedikt Dzeheleпов for his 110th anniversary.

[WATCH →](#)

DLNP seminar recordings

We kindly invite you to watch recordings of the DLNP seminar on problems of accelerators and "Methods of modifying the radioactivity of A 549 cell culture under the influence of ionising radiation of various qualities" by Anna Rzyanina.

[WATCH seminar on problems of accelerators →](#)

WATCH seminar by Anna Rzyanina →

JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #15 has been published. Please note that you can read an English version on the JINR Newspaper's website.

[READ MORE →](#)

Recalling founders

Event to celebrate 110th anniversary of Venedikt Dzeheleпов

On 12 April, a festive event dedicated to the 110th anniversary of the birth of Venedikt Dzeheleпов was held at the JINR Scientists' Club. JINR Director Grigory Trubnikov opened the event. He highlighted the important role that Venedikt Dzeheleпов played in the foundation and formation of JINR. In addition, he shared his memories of the first Head of the Laboratory of Nuclear Problems.

[READ MORE →](#)

Publications

On new possibility of pulse accumulation of UCN in a trap

The JINR Publishing Department has released a preprint "On the new possibility of pulse accumulation of UCN in a trap" P3-2022-66. The authors are Alexander Frank, German Kulin, and Maxim Zakharov.

[READ MORE →](#)

Upcoming Events

Conferences

- **18 – 20 April**, 11th Collaboration Meeting of the MPD Experiment at the NICA Facility, Veksler and Baldin Laboratory of High Energy Physics, JINR
- **21 – 23 April**, Technical hackathon "Dubna-2023", UC JINR, Dubna
- **21 April**, at 2:00 PM, Grand seminar dedicated to the 90th anniversary of Academician Yu. Ts. Oganessian, Flerov Laboratory of Nuclear Reactions, JINR, Dubna
- **23 April**, 12th Open Robotic Tournament CyberDubna-2023, Moscow Regional Physics and Mathematics Lyceum named after V. G. Kadyshchikov, Dubna
- **24 April**, Festive seminar dedicated to 85th anniversary of birth of I. V. Puzynin, MLIT
- **24 – 28 April**, 22nd JINR Training Course "JINR Expertise for Member States and Partner Countries", (JEMS-22), JINR Laboratories, Dubna
- **24 – 28 April**, SPD collaboration meeting, Veksler and Baldin Laboratory of High Energy Physics, JINR, Dubna
- **25 – 30 April**, IUPAP Conference "Heaviest nuclei and atoms", National Academy of Sciences of the Republic of Armenia, Yerevan

Seminars

- **20 April**, at 11:00 AM, VBLHEP, "Comparison of experimental and computer simulated results of the temperature control of the ROC Chamber electronics of the TPC Detector for the MPD Experiment" by Gleb Meshcheryakov and Alexander Makarov
- **20 April**, at 11:00 AM, BLTP, "Search for light dark matter in NA64 experiment", by Sergei Gninenko
- **20 April**, at 11:00 AM, DLNP, "Study of fundamental properties of leptons using the data of theorexino experiment" by Alina Vishneva
- **21 April**, at 11:00 AM, BLTP, "Electric 1st state below nuclear scissors", by Evgeny Balbutsev, Irina Molodtsova
- **21 April**, at 11:00 AM, FLNP, "Neutron spin-filter with spin-exchange interaction of ³He nuclei and the atoms of a saturated ferromagnetic", by Vadim Skov
- **21 April**, at 11:00 AM, DLNP, "Status of linear accelerator of SKIF injector" by Alexey Levichev
- **21 April**, at 11:30 AM, VBLHEP, "Electronic engineering for the KRION-6T ion source" by Dmitry Pankin and "Study of the trigger on nucleus-nucleus interactions and development of the time-of-flight neutron spectrometer in the BM@N Experiment" by Nikita Lashmanov
- **24 April**, at 3:00 PM, FLNP, Meeting of FLNP Dissertation Council: "Deflectors of very cool and cold neutrons based on ultrafine diamonds" by Evgeny Lyubagin
- **25 April**, at 10:00 AM, VBLHEP, "Colliders" lecture series, Linear optics by Valery Lebedev
- **25 April**, at 11:00 AM, BLTP, "Dynamic properties of an opinion formation model in a multi-agent system with stochastic activation of links under influence of information pressure" by Natalia Savitskaya
- **26 April**, at 3:00 PM, BLTP, Meeting of BLTP Dissertation Council: "Charge fluctuations and superconductivity in strongly correlated electronic systems" by Nguen Dan Tung

Culture

- **27 March – 10 May**, from Monday to Friday from 11:00 AM to 8:00 PM and on Saturday from 12:00 PM to 6:00 PM, JINR Universal Public Library, Exhibition "Theatre's colour"
- **20 April**, at 7:00 PM, JINR Universal Public Library, Book club "Hairpin", discussing a book "Fox Fords" by Anna Starobinets
- **21 April**, at 6:00 PM, JINR Universal Public Library, English speaking club
- **21 April**, at 7:00 PM, JINR Universal Public Library, Spring concert at Blokhinka
- **21 April**, at 7:00 PM, JINR Scientists' Club, "Realism" lecture
- **22 April**, at 6:00 PM, JINR Cultural Centre "Mir", Concert by vocal ensemble "Acoustic Bank"
- **22 April**, at 6:00 PM, JINR Universal Public Library, JINR Cinema Club
- **23 April**, at 5:00 PM, JINR Cultural Centre "Mir", Piano concerto "Brilliant"
- **24 April**, at 6:00 PM, JINR Universal Public Library, Evening "Impressionists"
- **26 April**, at 7:00 PM, JINR Cultural Centre "Mir", Reporting concert by dance studio "Element"
- **27 April**, at 7:00 PM, JINR Universal Public Library, Book club "Summer Reading List"

For Kids

- **22 April**, at 4:00 PM, JINR Universal Public Library, Meetings "Engineering" and "Let's READers"

Sports

- **22 April**, at 3:00 PM, JINR Yacht Club, Track and field run in memory of L. N. Yakulin
- **27 April**, at 5:30 PM, JINR Sports Club, Kettlebell lifting competition

ALL JINR EVENTS →