JINR Newsletter #33, 27 August 2026

Dear colleagues and friends,

Researchers of the Laboratory of Nuclear Reactions and the Laboratory of Theoretical Physics described new characteristics of heavy rutherfordium isotope fission. The experiment was conducted at the U-400 Cyclotron. The data obtained deepen scientists' understanding of the decay mechanisms of transuranic elements and open up new opportunities for studying nuclei near the boundaries of nuclear stability.

The JINR Gallery was shortlisted for ARHIWOOD – an annual Russian award for the best wooden architectural structure. Please note that public vote is available. Find out more in the latest JINR Newsletter.

JINR Press Office

Research

JINR scientists described new characteristics of heavy rutherfordium isotope fission

The Institute's specialists measured the average number of prompt neutrons emitted during spontaneous nuclear fission of rutherfordium-260. The experiment was conducted by FLNR and BLTP specialists at the U-400 Cyclotron using the SHELS Separator and the SFiNx Detection System.

READ MORE ➞

Anniversaries

Prominent Bulgarian theorist, JINR Deputy Director Ivan Zlatev

22 August marked 100 years since the birth of Ivan Stoyanov Zlatev (1926–2006), an outstanding Bulgarian high energy and statistical physicist, JINR Deputy Director in 1979–1983, and a member of the Institute's Scientific Council.

READ MORE ➞

JINR Social

JINR to hold international retro transport festival in Dubna

In honour of the 70th JINR anniversary, Dubna will host the Roads of Friendship international retro transport festival on 27–31 August. The programme features cultural and educational events. The organizers are the JINR Museum of History of Science and Technology and the GDR History and Technology Club.

READ MORE ➞

Media

JINR Gallery in ARHIWOOD shortlist

The JINR Gallery was shortlisted for ARHIWOOD – an annual Russian award for the best wooden architectural structure. The winner will be chosen by a jury, but a public vote is available as well. See the finalists and vote for the Gallery until 8 September.

VOTE ➞

Series worth watching

The post series dedicated to film recommendations by JINR employees continues. This time, the list consists of various TV shows – gripping from the first to the last episode.

READ MORE ➞

JINR researcher on space at NABKA

On 29 August, an art festival dedicated to the modern image of Dubna will take place in Blokhinka. LRB JINR employee Yuri Severiukhin will deliver a lecture titled "Cosmic radiobiology: how Dubna is connected to space research". The programme includes exhibitions, live music, master classes, art projects, etc.

READ MORE ➞

Sports

57th annual track and field run in memory of Academician Veksler

The event will take place on 13 September, at 11:00. Registration is available until 9 September on the website. The programme includes distances for participants of different ages.

READ MORE ➞

Upcoming Events

Education

- **26–27 August**, Molecular and Materials Modelling school, BLTP JINR

Seminars

- **27 August**, 11:00, VBLHEP, Innovation and Applied Research seminar
- **2 September**, 11:00, FLNP, "Quantitative analysis of hidden neutron cross section in a multi-detector spherical chamber based on the EJ-309 scintillator" by Olga Sidorova

Culture

- **7 August – 6 September**, Daily from 13:00 to 19:00 (except Monday), JINR Mir Cultural Centre, Three Fingers exhibition
- **27–31 August**, Roads of Friendship international retro transport festival
- **27 August**, 18:00, JINR Scientists' Club, JINR Film Union
- **28 August**, 18:00, JINR Universal Public Library, JINR Cinema Club
- **28 August**, 18:00, JINR Scientists' Club, Lecture at "Roads of Friendship" retro transport festival
- **28 August**, 19:00, Mir Cultural Centre, Art debate
- **29 August**, 12:00, JINR Universal Public Library, NABKA art festival

ALL JINR EVENTS ➞

© Joint Institute for Nuclear Research
6 Joliot-Curie St, Dubna, Moscow Region, Russia, 141980
press@jinr.int