



# ISINN-29

May 29 – June 2, 2023

**On-line + On-site**

The Internet platform will be determined and announced  
in the second Circular

**Frank Laboratory of Neutron Physics**

**JINR, Russia**

**29th International Seminar**

**on Interaction of Neutrons with Nuclei:**

«Fundamental Interactions & Neutrons, Nuclear Structure,  
Ultracold Neutrons, Related Topics»

[isinn.jinr.ru](http://isinn.jinr.ru)

**1st Circular**

## FOREWORD

The International Seminar on Interaction of Neutrons with Nuclei (**ISINN**): “Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics” was initiated by the Frank Laboratory of Neutron Physics (FLNP) of the Joint Institute for Nuclear Research in 1993. ISINNs keep the tradition of the FLNP annual workshops and seminars in the field. The aim of such seminars is to create a forum for scientists and engineers to present their achievements, share their ideas, and foster potential cooperation.

The last Seminar was organized as an online conference that made possible to bring together the participants from different countries during the pandemic period and provide success and fruitfulness of the Seminar. This year we are planning to hold a seminar in Dubna along with the opportunity to present the reports online. Participants' health and safety is a priority for the Organizing Committee of the conference. Officially recommended protective measures will be strictly followed.

The JINR Organizing Committee is discussing with our colleagues from the State Key Laboratory of Intense Pulsed Radiation Simulation and Effect, (NINT, China) the possibility of their participation as co-organizes and coordinators, and the China Nuclear Data Center (CIAE, China), Shaanxi Key Laboratory of Advanced Nuclear Energy and Technology (XJTU, China) and China Neutron Spallation Source (IHEP, China) as sponsors of the Seminar participants from China.

## ISINN-29

In addition to the traditional topics listed below, we would like to organize a section dedicated to topical issues of particle physics and nuclear physics in connection with the formation at the FLNP research program for 2024–2030 and the creation of a new neutron source started at JINR.

The seminar will be held from **May 29 to June 2, 2023 in Dubna, Russia**.

The working language of the Seminar is **ENGLISH**.

## TOPICS

- ✓ Fundamental properties of the neutron
- ✓ Fundamental interactions & symmetries in neutron induced reactions
- ✓ Properties of compound states, nuclear structure
- ✓ Intermediate and fast neutron induced reactions
- ✓ Nuclear fission
- ✓ Nuclear data for applied and scientific purposes
- ✓ Neutron detection & Methodical aspects
- ✓ Physics of ultracold neutrons (UCN)
- ✓ Nuclear and related analytical techniques in environmental and material sciences
- ✓ ADS Studies
- ✓ Neutron radiation effects
- ✓ Nuclear reactor physics
- ✓ Radiation transportation and simulation
- ✓ Advanced neutron sources and perspective experiments

## ABSTRACTS

All reports will be reviewed on the basis of short abstracts, and the abstracts will be published at the seminar website before the event.

All the authors are expected to follow the instructions specified at: <http://isinn.jinr.ru/proceedings.html>. The abstract should be sent before April 30, 2023 to Dr. Ludmila Mitsyna ([mitsyna@nf.jinr.ru](mailto:mitsyna@nf.jinr.ru)).

## REGISTRATION & PAYMENT

Registration is open at the seminar website <http://isinn.jinr.ru/>. Registration deadline is April 30, 2023.

Foreign participants are asked to notify Mrs. Elena Rusakovich ([rusakovich@jinr.ru](mailto:rusakovich@jinr.ru)) of their travel visa requirements and arrival/departure details.

The registration fee is 400 Euro or the equivalent in US Dollar for participants and 300 Euro for accompanying persons on site in Dubna. It includes transfer from Moscow airport or railway station to Dubna and back, hotel accommodation, breakfast included, coffee-breaks, Welcome party, Conference dinner and a copy of the Seminar proceedings.

The registration fee is expected to be paid **online** or **in cash** on site at the registration.

Online participation is **free of charge**.

The Organizing Committee has very limited funds for financial support on personal requests (preference will be given to young scientists).

## PROGRAM ARRANGEMENT

We are kindly welcoming the participants from all around the world. If you plan to participate online, but your time zone is significantly different from Moscow time, we will be glad to offer you the opportunity to pre-record your presentation. All the records will be published at the seminar website together with the abstracts, presentations and proceedings.

Three types of presentations are planned: invited talks, oral contributions and posters.

Authors are requested to indicate the preferred presentation (oral or poster) and answer the questions contained in the web registration form.

The Organizing Committee reserves the right to choose contributions for presentation.

## LOCAL ORGANIZING COMMITTEE

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<b>Chairman:</b>	V.N. Shvetsov (JINR, Russia)
<b>Director of the Organizing Committee:</b>	W.I. Furman (JINR, Russia)
<b>Scientific secretary:</b>	A.Yu. Nezvanov (JINR, Russia)
<b>Committee members:</b>	M.V. Frontasyeva (JINR, Russia) Yu.N. Kopatch (JINR, Russia) E.V. Lychagin (JINR, Russia) L.V. Mitsyna (JINR, Russia) P.V. Sedyshev (JINR, Russia) I. Zinicovscaia (JINR, Russia)

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## LOCAL JINR SECRETARIAT

Seminar Coordinator: E.N. Rusakovich (ICD, JINR)  
T.L. Pikelner (FLNP, JINR)  
E.S. Kopach (FLNP, JINR)

## ACCOMMODATION

The rooms at the “[Dubna](#)” hotel will be reserved for participants by the Organizing Committee.

## LOCATION

The Seminar will be held at Joint Institute for Nuclear Research in Dubna.

## CONTACTS

Official website: [isinn.jinr.ru](http://isinn.jinr.ru)

### *Scientific secretary*

**Alexander NEZVANOV**

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### *Visas & transport*

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### *Publishing*

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