

# ISINN-27

*Dubna, Russia, June 10 – 14, 2019*



27-th International Seminar  
on Interaction of Neutrons with Nuclei:

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

<http://isinn.jinr.ru>

FRANK LABORATORY OF NEUTRON PHYSICS, JINR, RUSSIA

THE STATE KEY LABORATORY OF INTENSE PULSED RADIATION SIMULATION AND EFFECT, NINT, CHINA

SHAANXI KEY LABORATORY OF ADVANCED NUCLEAR ENERGY AND TECHNOLOGY, XJTU, CHINA

CHINA INSTITUTE OF ATOMIC ENERGY

CHINA SPALLATION NEUTRON SOURCE, INSTITUTE OF HIGH ENERGY PHYSICS, CAS

# ISINN-27

- The Frank Laboratory of Neutron Physics (FLNP) of the Joint Institute for Nuclear Research (JINR),
- the State Key Laboratory of Intense Pulsed Radiation Simulation and Effect (SKLIPRSE) of Northwest Institute of Nuclear Technology (NINT),
- Shaanxi Key Laboratory of Advanced Nuclear Energy and Technology (SKLANT) of Xi'an Jiaotong University (XJTU),
- China Institute of Atomic Energy (CIAE),
- China Spallation Neutron Source, Institute of High Energy Physics, CAS (CSNS, IHEP).

are co-organizing the **27-th International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-27)**.

ISINN-27 continues the tradition of the annual workshops and seminars in the field.

It will be held from **June 10 to June 14, 2019 in Dubna, Russia**.

The expected number of participants is about 130.

## PROGRAM PROFILE

- Fundamental properties of the neutron
- Fundamental interactions & symmetries in neutron induced reactions
- Properties of compound states, nuclear structure
- Intermediate and fast neutron induced reactions
- Gamma-decay of excited states
- Nuclear fission
- Neutron data for applied and scientific purposes
- Methodical aspects
- Physics of ultra-cold neutrons (UCN)
- Nuclear and related analytical techniques in the environmental and material sciences
- ADS studies
- Neutron detection
- Neutron radiation effect
- Nuclear reactors
- Radiation transportation and simulation
- Advanced neutron sources and perspective experiments

The Seminar language is **ENGLISH**.

The Advisory Committee was formed to provide the best level of discussions on the seminar program.

## REGISTRATION FEE

The **REGISTRATION FEE** of 400 Euro or equivalent in US Dollar for participants and 300 Euro for accompanying persons includes car transportation from Moscow airport or railway station to Dubna and back, hotel accommodation with breakfast, break refreshments, Welcome party, Conference dinner, and a copy of Seminar proceedings. The registration fee is due to payment **IN CASH** at the registration.

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

## SEMINAR INFORMATION

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

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

Foreign participants are asked to notify Mrs. Tatyana Donskova (**Tatyana.Donskova@jinr.ru**) of their VISA requirements and arrival/departure details.

The registration should be submitted via form on **ISINN web page (<http://isinn.jinr.ru>)** before April 1, 2019.

The ISINN-27 **proceedings** (eight pages per contribution) will be published by the JINR Publishing Department. The Organizing Committee has a limited number of copies left to be sent on request.

One-page **ABSTRACTS** will be published by the beginning of the Seminar.

Authors should prepare their abstracts in a camera-ready form according to the instructions at the Seminar website **<http://isinn.jinr.ru/proceedings.html>** and e-mail it (in any printable format) before April 1, 2019 to Ludmila Mitsyna (**[mitsyna@nf.jinr.ru](mailto:mitsyna@nf.jinr.ru)**)

## LOCAL ORGANIZING COMMITTEE

- **V.N. Shvetsov** - Chairman
- **E.V. Lychagin** - Scientific secretary
- **Yu.N. Kopatch**
- **P.V. Sedyshev**
- **L.V. Mitsyna**
- **M.V. Frontasyeva**

## SECRETARIAT

- **T.S. Donskova**, Seminar Coordinator
- **N.A. Malysheva**
- **T.L. Pikelner**
- **E.S. Kopach**

## PROGRAM ADVISORY COMMITTEE

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### **Publishing**

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