



ISINN-28

May 24 - 28, 2021

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



isinn.jinr.ru

**Frank Laboratory of Neutron Physics
JINR, Russia**

28 International Seminar

on Interaction of Neutrons with Nuclei:

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

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.

Due to the COVID-19 pandemic, the ISINN Seminar scheduled for 2020 in Beijing was canceled. The Organizing Committee decided to hold the Seminar as a video conference in 2021 on an Internet platform that will be determined later. We hope that this organizational form will expand the geography of participants and make the Seminar even more attractive.

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.

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
- ✓ Gamma-decay of excited states
- ✓ 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

REGISTRATION & PAYMENT

Registration is opened on the seminar website <http://isinn.jinr.ru>. Registration deadline is April 30, 2021. Registration fee is not expected.

ABSTRACTS

All reports will be reviewed on the basis of abstracts, and the abstracts will be published on the seminar website before the event. All authors are expected to prepare their abstracts following the instructions at <http://isinn.jinr.ru/proceedings.html> and send them in .PDF format to dr. Ludmila Mitsyna <mailto:mitsyna@nf.jinr.ru> before April 30, 2021.

PROGRAM ARRANGEMENT

The format of the Seminar features five types of presentations: keynote speech, plenary talks, invited talks, oral contributions, and posters. Keynote speakers will be invited by the Organizing Committee, while plenary and invited talks will be selected from the abstract pool through internal reviews.

ORGANIZERS

Frank Laboratory of Neutron Physics, JINR, Russia

SPONSORS & EXHIBITORS

Sponsorship from nuclear related companies is welcome, and ISINN-28 will provide an excellent opportunity for sponsors to showcase their services, products and technologies in a presentation or video. Potential sponsors can contact us for more information.

CONTACT

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