

International Seminar on Interaction of Neutrons with Nuclei

Sharm
El-Sheikh
Egypt



JINR
Dubna

isinn-30

April 14 – 18, 2024

On-site + On-line*

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

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 (JINR) in 1993. Since then, the ISINN keeps 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 both an online and onsite conference, which connected two venues simultaneously, Dubna and Lanzhou. The ISINN-29 made it possible to bring together participants from many countries and has achieved great success and fruitfulness. Similarly, this year we are planning to hold a 30th anniversary seminar face-to-face along with the opportunity to present the presentations online. The Joint Organizing Committee, comprising members from the Academy of Scientific Research and Technology (Egypt), the Egyptian Atomic Energy Authority, and the JINR, warmly welcomes scientists worldwide to join us in Sharm El Sheikh, Egypt, the recent JINR Member State.

At the same time, the 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-organizers 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-30

In addition to the traditional format of the seminar, the Organizing Committee is considering the possibility of holding a thematic scientific school for students and young scientists.

The seminar will be conducted both **on-line and off-line** on **April 14–18, 2024**, with the **on-site** part taking place in **Sharm El-Sheikh, Egypt**.

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
- ✓ Nuclear and related analytical techniques in environmental and material sciences
- ✓ 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 abstracts should be sent before March 1, 2024 to Dr. Ludmila Mitsyna (mitsyna@nf.jinr.ru).

REGISTRATION & PAYMENT

Registration will be opened lately on the seminar website: <http://isinn.jinr.ru/>

Registration deadline is March 1, 2024.

The registration fee is 450 USD for participants and 200 USD for accompanying persons. It includes a participant's kit, coffee-breaks, welcome party, conference dinner and the seminar proceedings.

Payment methods for the registration fee will be announced later.

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 researchers).

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 Sharm El Sheikh 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.

JINR ORGANIZING COMMITTEE

Chairman: Valery Shvetsov

Director of the Organizing Committee: Walter Furman

Scientific secretary: Alexander Nezvanov

Committee members: Wael Badawy
Marina Frontasyeva
Yury Kopatch
Egor Lychagin
Liudmila Mitsyna
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LOCAL JINR SECRETARIAT

Seminar Coordinators: Tatyana Pikelner, Elena Kopach.

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