Session Program

24–30 May 2026



32nd International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-32)

Coffee break+ Poster session #1

Tuesday 26 May

15:25

Coffee break+ Poster session #1

Session

15:25–15:27

MC-calculation of the duration of the VCN bunch after passing through the various neutron guides of the UCN source at the pulsed reactor IBR-2M

Speaker
Aleksander Popov

15:27–15:29

The role of cascade processes in the (n,n′γ) reaction

Speaker
Alexander Andreev

15:29–15:31

Modeling of the neutron beam parameters of the time-of-flight spectrometer GNEIS using GEANT4

Speaker
Alexandra Tiagelskaia

15:31–15:33

Measurements of arsenic contamination and heavy metal trace in soil in Bera, Pabna, Bangladesh, using neutron-producing facilities of FLNP, JINR

Speaker
Anindo Adhikary

15:33–15:35

Effect of high-dose gamma radiation on the nanolamellar structure and crystal/amorphous interface of PVDF

Speaker
Mr Asif Nabiyev

15:35–15:37

Design and application of PVA/ZN0/GO as a promising nanocomposite with tunable electronic properties

Speaker
Mrs Asmaa Ibrahim

15:37–15:39

Elemental and radionuclide characterization of lichens and mosses in the Ulaanbaatar area using nuclear analytical techniques

Speaker
Bolortuya Damdinsuren

15:39–15:41

Determination of neutron capture cross sections for the reactions 180W(n,γ)181W and 184W(n,γ)185W utilizing a photoneutron source from an electron LINAC

Speaker
Cong Vu

15:41–15:43 **Assessment of air pollution in the Hai Phong city (Vietnam) using lichens as biomonitors**

Speaker
DAI NAM LE

15:43–15:45
Elemental profile and health risk assessment of South African rooibos cultivated under ecological conditions

Speaker
Dmitry Grozdov

15:45–15:47 **Single-particle states of nucleons in iron isotopes based on folded Yukawa potential**

Speaker
Dmitrij Sitkov

15:47–15:49
Evaluation of pre-neutron-emission mass distributions of neutron-induced actinides fission using scission point model

Speaker
Dongying Huo

15:49–15:51
Prediction of asymptotic behavior of correlation functions of scattered neutrons based on the algebraic theory of symmetry breaking

Speaker
Evgeniy Gudkov

15:51–15:55 **Dr.Sai-RongZai: LLM based neutron scattering data analysis agent**

Speaker
Hao Wang

15:55–15:59 **PGAA setup status at the 11b channel of the IBR-2 reactor**

Speaker
Constantin Hramco

15:59–16:01 **Neutron leakage spectra benchmark of spherical iron sample with a 252Cf fission source**

Speaker
Kuo Zhi Xu

16:01–16:03
Combinatorial approach to level density modeling and its application to estimate nuclear reaction cross-sections

Speaker
Leonid Trofimov

16:03–16:05
About a possibility to obtain the forward-backward asymmetry of gamma emission studying the 81Br(n,γ) reaction

Speaker
Liudmila mitsyna

16:05–16:07
Physicochemical characterization of the PM2.5 aerosol by INAA and complementary techniques

Speaker
Mirjana Radenkovic

16:07–16:09 **Isomeric ratio in the natCd(n,γ)115m,gCd reaction induced by IREN pulsed neutron source**

Speaker
Tran Minh Nhat Le

16:09–16:11 **Monte Carlo simulation of a multi-section detector of a FISCO facility**

Speaker
Nikita Olkhovich

16:11–16:13
Position-sensitive neutron detector based on boron-10 layers and multi-wire gas-filled chamber

Speaker
Stanislav Potashev

16:13–16:15 **Analysis of atmospheric deposition dynamics in Tula region over the past 10 years**

Speaker
Svetlana Gorelova

16:25