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)

Experimental installation & Methodical Aspects

Wednesday 27 May

09:00

Experimental installation & Methodical Aspects

Session | **Location:** Green Hall, 1st floor

09:00–09:25 **(Invited talk) The "Neutron Beta Decay" installation for the reactor PIK**

Speaker
Alexey Fomin

09:25–09:45
Investigating different experimental configuration at YuMO spectrometer required for optimal data collection using standard apoferritin samples

Speaker
Ахмед Эльмекави

09:45–10:05
The possibility of producing medically significant isotopes of Sn and Sc by photonuclear reactions tested at the IREN facility

Speaker
Yeldos Bolatkazyyev

10:05–10:25 **SciFi detectors for science and applications**

Speaker
Alexander Malinin

10:25–10:45
Characterization of secondary activated elements generated during the production of 18F-fluorodeoxyglucose using cyclotron at INCART

Speaker
Mr Estarlin Manuel Coronado Delgado

10:45

11:05

Experimental installation & Methodical Aspects

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11:05–11:30
(Invited talk) Key technologies for mono-energy and high-intensity neutron source based on HV-RF linear accelerator

Speaker
Zheng Wei

11:30–11:50
Web application for unfolding the neutron spectrum measured by a multi-sphere spectrometer

Speaker
Константин Чижов

11:50–12:10
Application of “source-replay”-based Monte Carlo simulation for evaluating neutron self-shielding factors at IREN

Speaker
Huy Le

12:10–12:30 **Atomistic simulation of neutron primary radiation damage in V-5Cr-5Ti ternary alloy**

Speaker
Чонг Нгуен

12:30

14:00

Experimental installation & Methodical Aspects

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14:00–14:25

(Invited talk) Application of artificial neural networks for unfolding problems in activation measurements

Speaker
Nikola Jovancevic

14:25–14:45 **Current status and development prospects of deep-buried silicon photomultipliers**

Speaker
Sabuhi Nuruev

14:45–15:05 **First results of new experiment setup ARFIM for applied research of NOSU**

Speaker
Nelli Pukhaeva

15:05