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)

Neutronics & Related applied research

Thursday 28 May

09:00

Neutronics & Related applied research: Nuclear analytical methods and Life Sciences

Session | **Location:** Main Hall, 3d floor

09:00–09:25

(Invited talk) Neutronics study of pelletized mesitylene moderators for China Spallation Neutron Source

Speaker
fei shen

09:25–09:45

Electrical impedance analysis of a ZrO2-based nanopowder system under neutron irradiation conditions

Speaker
Антони Карлос Перес Морено

09:45–10:05

Coincidence-summing effects and positronium-annihilation-photon lines appearing in CNT-enhanced NaI(Tl)-detector response to 60Co- and 137Cs-decays

Speaker
Halina V. Krylova

10:05–10:25

Structural and defect dynamics in He^+ ion-irradiated nanostructured CuO

Speaker
Silvia María Fortuné Fábregas

10:25

11:05

Neutronics & Related applied research: Nuclear analytical methods and Life Sciences

Session | **Location:** Main Hall, 3d floor

11:05–11:30

(Invited talk) The history of the development and use of neutron activation analysis in medical and biological research in the USSR and Russia

Speaker
Vladimir Zaichick

11:30–11:50

Molecular interaction of trace metals and PAHs with fish proteins: a combined DFT and FTIR spectroscopic study

Speaker
Medhat Ibrahim

11:50–12:10

Basic installation EG-5 in JINR: technical capabilities and current scientific tasks

Speaker
Aleksandr Doroshkevich

12:10–12:30

Possibility of in vivo determination of calcium and phosphorus content

Speaker
Sapozhnikov M.G.

12:30