



# 28th International Scientific Conference of Young Scientists and Specialists (AYSS-2024)

## Wednesday, October 30, 2024

### Experimental Nuclear Physics - 3-310 (4:30 PM - 6:00 PM)

time	[id] title	presenter
4:30 PM	[1795] Spectroscopy of the isotopes of transfermium elements in Dubna	Dr TEZEKBAYEVA, Mereigul
5:15 PM	[1774] A modular neutron spectrometer for studies with radioactive beams at ACCULINNA-2 fragment separator	MAI, Anh
5:30 PM	[1625] Characterization of detector modules for a neutron detector array at fragment separator ACCULINNA-2	Mr LONG, Phan Nguyen Hoang
5:45 PM	[1630] Performance of the Scintillation Wall in the BM@N experiment	VOLKOV, Vadim

# Thursday, October 31, 2024

## Experimental Nuclear Physics - 4-451 (12:45 PM - 1:30 PM)

time	[id] title	presenter
12:45 PM	[1569] Time-Projection Chamber for Investigating the Spontaneous Fission of Superheavy Nuclei	ULANOVA, Irina
1:00 PM	[1545] Synthesis and study of the decay properties of isotopes of superheavy element Lv in Reactions $^{238}\text{U} + ^{54}\text{Cr}$ and $^{242}\text{Pu} + ^{50}\text{Ti}$	IBADULLAYEV, Dastan
1:15 PM	[1595] Study of multi-nucleon transfer reactions in $^{26}\text{Mg} + ^{238}\text{U}$ collisions at the SHELS separator	САЙЛАУБЕКОВ, Бекзат

## Experimental Nuclear Physics - 4-451 (2:50 PM - 4:05 PM)

time	[id] title	presenter
2:50 PM	[1697] Study of fission and quasifission reaction mechanisms through mass-energy distribution measurements	Dr DEY, ANIRUDDHA
3:05 PM	[1563] $(n, \gamma)$ and $(n, n' \gamma)$ - correlations in reaction of neutron inelastic scattering on $^{12}\text{C}$	FILONCHIK, Polina
3:20 PM	[1696] Measurement of angular distributions of neutrons and gamma quanta from the interaction between 14.1 MeV neutrons and carbon nuclei.	PAMPUSHIK, Grigory
3:35 PM	[1576] Development of a system of scintillation detectors for space radiation suppression in the experiment aims to study dd-fusion reactions with the low beam energy (PolFusion)	Mr ROZHDESTVENSKIY, Anton
3:50 PM	[1592] Micromegas-based Central Tracker prototype for the SPD experiment	LIASHKO, Igor

## Experimental Nuclear Physics - 4-451 (4:30 PM - 6:00 PM)

time	[id] title	presenter
4:30 PM	[1553] Experimental studies of the $^{232}\text{Th} + ^{48}\text{Ca} \rightarrow ^{280}\text{Ds}$ and $^{238}\text{U} + ^{40}\text{Ar} \rightarrow ^{278}\text{Ds}$ reactions: New isotopes $^{268}\text{Sg}$ , $^{272}\text{Hs}$ , $^{276}\text{Ds}$ , and $^{275}\text{Ds}$ .	SHUMEYKO, Maxim
4:45 PM	[1533] Development of an amplifying element for GEM by laser drilling	SHMANAY, Yahor
5:00 PM	[1652] Development of new Highly Granular Neutron Detector for the BM@N experiment.	MAKHNEV, Aleksandr
5:15 PM	[1610] Remote reconfiguration, debugging, testing and synchronization of Electronics Cards for the TPC/MPD Detector of the NICA project	POTAPOV, Denis
5:30 PM	[1737] MICROSTRIP SILICON DETECTORS IN THE INVESTIGATION OF PROTON RADIOACTIVITY	KHAMIDULLIN, Bulat
5:45 PM	[1758] Highly efficient radon detectors	ШАХОВ, КОНСТАНТИН

# Friday, November 1, 2024

## Experimental Nuclear Physics - 3-310 (12:45 PM - 1:30 PM)

time	[id] title	presenter
12:45 PM	[1777] Evaluation of Methods for Determining the Total Efficiency of HPGe Detectors	THANH, P.T.
1:00 PM	[1654] Application of 10B ions to detect helium in solid matter	TIMOFEY, Bobrovskiy
1:15 PM	[1665] Development of X-ray Monochromatization Devices for Per-Pixel Energy Calibration of Semiconductor Detectors	HOAI BAO PHI, TRUONG

## Experimental Nuclear Physics - 3-310 (2:50 PM - 4:05 PM)

time	[id] title	presenter
2:50 PM	[1751] Photonuclear production of the medical isotopes $^{47}\text{Sc}$ , $^{67}\text{Cu}$ , $^{161}\text{Tb}$ , $^{166}\text{Ho}$ and $^{177}\text{Lu}$	FURSOVA, Nadezhda
3:05 PM	[1755] ISOMERIC RATIOS IN PHOTONUCLEAR REACTIONS ON MERCURY ISOTOPES HG	PORYADINA, Olesya
3:20 PM	[1618] Development of a new method for obtaining a radiopharmaceutical based on Ra-223 for medical purposes using aluminum oxide (III) as a substance with high sorption properties	KONAREV, Sergei
3:35 PM	[1567] Application of the automated and robotic gamma-spectrometric complex for radiation hazard situation assessment	Mr MADZHIDOV, Azizbek Ms NAGIKH, Olga
3:50 PM	[1635] Modeling polarized atomic beam source (PABS)	LARIONOV, Vladislav