



# The XXVII International Scientific Conference of Young Scientists and Specialists (AYSS-2023)

## Wednesday 1 November 2023

### Experimental Nuclear Physics - DIAS Hall (-1 floor), BLTP (14:20 - 15:50)

time	[id] title	presenter
14:20	[1210] Experimental search for double beta decay of Zr-96 to excited states of Mo-96	KHUSSAINOV, Temirlan
14:35	[1212] Search for coherent elastic neutrino-nucleus scattering in the vGeN experiment.	PONOMAREV, Dmitrii
14:50	[1213] SCINTILLATION DETECTORS ARRAY GADAST FOR THE INVESTIGATION OF PROTON RADIOACTIVITY REACTIONS	KHAMIDULLIN, Bulat
15:05	[1461] Testing of the Light Readout System of a modular Liquid-Argon Time-Projection Chamber (LArTPC)	SHAROV, Vladislav
15:20	[1247] TIME OF FLIGHT SIMULATION OF A CRYOGENIC GAS STOPPING CELL DESIGNED TO STUDY THE PROPERTIES OF SUPERHEAVY ELEMENTS	KOHOUTOVA, Alena
15:35	[1244] Development of software for automatic sample changing during gamma spectrometry of a large number of samples	GALUSTOV, Vladimir

### Experimental Nuclear Physics - DIAS Hall (-1 floor), BLTP (16:10 - 17:25)

time	[id] title	presenter
16:10	[1253] Muon capture measurements with Ba-136 target.	FOMINA, Maria
16:25	[1204] Optimization of digital parameters and off-line sorting code for experiments at the ISOLDE Decay Station (IDS)/CERN.	MADONSELA, Remember Ayanda
16:40	[1251] DRS4 signal/noise classification algorithms	DARIBAYEVA, Aizat
16:55	[1431] High-Intensity Ultracold Neutrons Source in the WWR-K Research Reactor	TURLYBEKULY, Kylyshbek
17:10	[1460] Parametric X-ray radiation from powder targets	KIDANOVA, Ekaterina

# Thursday 2 November 2023

## Experimental Nuclear Physics - DIAS Hall (-1 floor), BLTP (14:20 - 15:35)

time	[id] title	presenter
14:20	[1366] Implementation of task for calibration of TPC gas drift velocity	BYCHKOV, Alexander
14:35	[1293] A CRYOGENIC GAS-FILLED ION STOPPING CELL AS AN INSTRUMENT FOR EXPERIMENTAL STUDY OF HEAVIEST NUCLEI.	Mr VEDENEEV, Vyacheslav
14:50	[1305] Exclusive reconstruction of semi-leptonic D0 decays	DIMA, Mihai-Tiberiu
15:05	[1330] Investigation of the capabilities of a xenon gamma-ray spectrometer to assess the activity of an isotope $^{60}\text{Co}$	YUJAKOV, Ilya
15:20	[1416] Production and spectroscopic investigation of Mercury and Radon isotopes produced in complete fusion reaction and multi-nucleon transfer reaction at MASHA facility	PANDEY, Rishav

## Experimental Nuclear Physics - DIAS Hall (-1 floor), BLTP (15:55 - 17:10)

time	[id] title	presenter
15:55	[1413] Development of a TOF neutron spectrometer in the BM@N experiment	LASHMANOV, Nikita
16:10	[1432] Mass Characterization of SiPM Tiles for the TAO Experiment at JUNO	CHETVERIKOV, Aleksei
16:25	[1290] Measurements of the Deuteron and Proton Beam Polarization at Nuclotron	VOLKOV, Ivan
16:40	[1378] Feasibility study for anisotropic flow measurements of identified charged hadrons with fixed-target mode of the MPD experiment at NICA	PARFENOV, Peter