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The 6th international conference on particle physics and astrophysics

Thursday 01 December 2022

Facilities and Advanced Detector Technologies: Session 1 - Moskvorechye 1 (10:55-13:00)

-Conveners: Pavel Semenov

time	[id] title	presenter
10:55	[234] The absolute polarimeter based on reaction of pp elastic scattering at the SPASCHARM facility at U70.	NURUSHEVA, Marina
11:10	[293] Simulation of the pp-, pd- and dd- elastic scattering for the polarimetry at NICA	TEREKHIN, Arkadiy
11:25	[248] Detectors of the SPASCHARM experiment at U70 accelerator	SEMENOV, Pavel
11:45	[81] Antineutron reconstruction and identification in electromagnetic calorimeter	GORDEEV, Pavel
12:00	[227] Current status of the novel 3D SuperFGD detector for the T2K experiment	Ms. DERGACHEVA, Anna
12:15	[334] Puzzle in decoherence measurements of entangled annihilation photons	MUSIN, Sultan
12:30	[146] DANSS Detector Upgrade	SVIRIDA, Dmitry
12:45	[150] Observation of the DANSS plastic scintillator aging during of 6 years of operation	Dr. ALEKSEEV, Igor

Facilities and Advanced Detector Technologies: Session 2 - Moskvorechye 1 (17:30-19:50)

-Conveners: Marina Chadeeva

time	[id] title	presenter
17:30	[256] Prediction of electromagnetic fraction in a hadronic shower using deep neural network	Dr. CHADEEVA, Marina
17:45	[162] Improvement of the energy resolution for neutral hadrons in highly granular calorimeters based on a neural network approach	KORPACHEV, Sergey
18:00	[104] About an accuracy of ECal/MPD calibration with cosmic muons	KULIKOV, Viacheslav
18:15	[2] MiniSPD test bench for testing of SPD detector prototypes.	Prof. KOKOULINA, Elena
18:30	[38] Cast lead-polystyrene spaghetti type calorimeter for LHCb ECAL Upgrade II	Mr. DIACHKOV, Igor
18:45	[166] Upgrade of Projectile Spectator Detector at NA61/SHINE experiment	MOROZOV, Sergey
19:00	[298] Cryogenic scintillation CsI(pure) detector of low energy neutrino	Mr. STRIZHAK, Alexander
19:15	[105] Genetic Algorithm for determination of event collision time and particle identification by Time-Of-Flight at SPD NICA	YURCHENKO, Semyon
19:30	[171] Development of ASICs for experiments at NICA	Mr. ATKIN, Eduard Mr. SERAZETDINOV, Artur

Friday 02 December 2022

Facilities and Advanced Detector Technologies: F Session 3 - Moskvorechye 2 (10:45-13:00)

-Conveners: **Sergey Movchan**

time	[id] title	presenter
10:45	[138] A gaseous beam monitor for the CSR external-target experiment	Prof. WANG, Hulin
11:00	[303] MPD TPC status	MOVCHAN, Sergey
11:15	[269] Status of the Time of Flight System of the Mpd Experiment at the Nica Collider	BARYSHNIKOV, Victor
11:30	[194] Time-Of-Flight Neutron Detector Prototype for BM@N Experiment	MAKHNEV, Aleksandr
11:45	[353] GEM central tracking system at the BM@N experiment	GALAVANOV, Andrey
12:00	[36] Commissioning of the forward detectors of the BM@N experiment	KARPUSHKIN, Nikolay
12:15	[79] Ultracold neutrons source at NRC KI - PNPI for the study of fundamental interactions	Dr. LYAMKIN, Vitaliy
12:30	[87] Simulation of the experimental program with ultracold neutrons and neutrino at the PIK reactor	Dr. FOMIN, Alexey
12:45	[370] Testbeam measurements and realistic simulation for straw drift tubes	ZELENOV, Andrei

Facilities and Advanced Detector Technologies: F Session 4 - Moskvorechye 2 (17:45-20:00)

-Conveners: **Grigory Feofilov**

time	[id] title	presenter
17:45	[122] The possibilities of using of monoenergetic electron production in a pyroelectric accelerator for calibration of different detectors	OLEINIK, Andrei
18:00	[145] From strangeness to charm and beauty with Inner Tracking System of ALICE at LHC	Dr. FEOFILOV, Grigory
18:15	[297] Artificial neural networks application in estimating the impact parameter in heavy ion collision using the microchannel plate detector data	GALAKTIONOV, Kirill
18:30	[177] Data acquisition system of the TPC/MPD detector of the NICA project	VERESCHAGIN, Stepan
18:45	[178] Low-pressure Time Projection Chambers for Experiments with Low-energy Ions	SOKOLOV, Andrey
19:00	[244] Analog spectrometer of the DGFRS-2 setup: status and developments	TSYGANOV, Yury
19:15	[186] Methods of data processing and analysis in the RED100 experiment.	RAZUVAEVA, Olga
19:30	[129] Ionization loss simulation in several gap neutron detector based on rigid layer converter and gaseous chamber	Dr. POTASHEV, Stanislav
19:45	[372] Generative Models in Particle Physics	MOKHNENKO, Sergei RATNIKOV, Fedor