

LXX International conference "NUCLEUS – 2020. Nuclear physics and elementary particle physics. Nuclear physics technologies"

Monday, October 12, 2020

Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics (3:30 PM - 7:30 PM)

time	[id] title	presenter
3:30 PM	[M87] New experimental methods and observables for anisotropic flow analyses in high-energy physics	BILANDZIC, Ante
3:55 PM	[M85] Determining the initial conditions and transport properties of quark-gluon plasma by flow measurements at the LHC	PARKKILA, Jasper
4:20 PM	[M29] Overview of hadron and jet production results from ALICE	PERESUNKO, Dmitri
4:45 PM	[M21] One-dimensional pion femtoscopy in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV from STAR	KHYZHNIAK, Eugenia
5:10 PM	Coffee break	
5:25 PM	[M60] ϕ -meson production in small systems collisions	LARIONOVA, Mariia
5:50 PM	[M06] Searches for the smallest droplet of QGP matter at the LHC	ZHOU, You
6:15 PM	[M57] Photoproduction of rho-mesons on nuclei in ultraperipheral nuclear collisions at the LHC	GUZEY, Vadim
6:40 PM	[M88] The meaning behind observed p_T regions at the LHC energies	Dr SULEYMANOV, Mais
7:05 PM	[M9] Study of QCD at BESIII	LIU, Dong

Tuesday, October 13, 2020**Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics (2:40 PM - 6:15 PM)**

time	[id] title	presenter
2:40 PM	[150] Singular background in a model of material plane interacting with Dirac particles	Prof. PISMAK, Yury
3:05 PM	[161] Description relativistic nuclear interaction in four velocity space	Prof. MALAKHOV, Aleksandr
3:30 PM	[140] C, P, T symmetries and Lorentz transformations in the theory of superalgebraic spinors	Prof. MONAKHOV, Vadim
3:55 PM	[103] On the Transverse Momentum Distributions of Secondary Particles in Proton-Proton Collisions in a Thermodynamic Approach at High Energies	Prof. D'YACHENKO, Alexander
4:20 PM	Coffee break	
4:35 PM	[159] Bottom-up holographic approach to meson spectroscopy	AFONIN, Sergey
5:00 PM	[195] Low and high energy constraints in AdS/QCD models	SOLOMKO, Timofey
5:25 PM	[103] High p_T physics at $\sqrt{s_{NN}} < 10$ GeV: Fundamental problems and it solutions	SHIMANSKIY, Stepan

Wednesday, October 14, 2020

Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics (2:40 PM - 5:50 PM)

time	[id] title	presenter
2:40 PM	[M5] Study of strongly intense quantities and robust variances in multi-particle production at LHC energies	BELOKUROVA, Svetlana
3:05 PM	[M76] DIS on nuclei at the LHeC and FCC-eh	ARMESTO PEREZ, Nestor
3:30 PM	[M62] Hadron Production in High-Energy Particle Collisions	Prof. KOSHELKIN, Andrew
3:55 PM	Coffee break	
4:10 PM	[M43] Chiral Imbalance Medium in Linear Sigma Model and Chiral Perturbation Theory	Prof. ANDRIANOV, Vladimir
4:35 PM	[M12] QCD phase diagram: Baryon density, isospin and chiral imbalance	ZHOKHOV, Roman
5:05 PM	[M14] P,T-ODD FARADAY EFFECT: A NEW APPROACH TO THE SEARCH FOR THE P,T-ODD INTERACTIONS IN NATURE	LABZOWSKY, Leonti

Thursday, October 15, 2020

Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics (2:30 PM - 6:05 PM)

time	[id] title	presenter
2:30 PM	[M4] Physics with spectators in MPD/NICA experiment	IVASHKIN, Alesandr Mr VOLKOV, Vadim
2:55 PM	[M29] What can we learn from remnants of spectator matter in central nucleus-nucleus collisions?	PSHENICHNOV, Igor
3:20 PM	[M96] New approach for centrality determination with forward hadron calorimeters in heavy ion reactions	KARPUSHKIN, Nikolay
3:45 PM	[M05] Exploring nuclear fragmentation at heavy-ion colliders	Mr SVETLICHNYI, Aleksandr
4:10 PM	Coffee break	
4:25 PM	[M69] Study of the spectator matter in heavy ion collisions at the BM@N experiment	GUBER, Fedor
4:45 PM	[M79] Centrality determination in carbon beam data for BM@N experiment with Zero Degree Calorimeter (ZDC)	MOROZOV, Sergey
5:05 PM	[M25] Methods for centrality determination in heavy-ion collisions with the CBM experiment	SEGAL, Ilya
5:25 PM	[M13] New approaches to measure centrality in the HADES heavy ion experiments	ZHEREBTSOVA, Elisaveta
5:45 PM	[M23] Methods for event plane determination in flow measurements with HADES	MAMAEV, Mikhail

Friday, October 16, 2020**Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics: Cumulative effect, etc. (3:15****PM - 7:10 PM)**

time	[id] title	presenter
3:15 PM	[M1] РЕЛЯТИВИСТСКИЕ ЯДЕРНЫЕ СТОЛКНОВЕНИЯ И НАПРАВЛЕННОЕ ЯДЕРНОЕ ИЗЛУЧЕНИЕ	BALDINA, Elina
3:35 PM	[M2] АВТОМОДЕЛЬНОСТЬ В РЕЛЯТИВИСТСКИХ ЯДЕРНЫХ СТОЛКНОВЕНИЯХ	Dr BALDIN, Anton
3:55 PM	[M51] ОБРАЗОВАНИЕ Δ^0 -ИЗОБАР В nC-СОУДАРЕНИЯХ ПРИ 4.2 ГэВ/с	БЕКМИРЗАЕВ , P.H.
4:15 PM	[M82] Exclusive $\pi^0 p$ electroproduction in the resonance region with CLAS12	GOLUBENKO, Anna
4:35 PM	[M97] Advances in N^* physics with CLAS/CLAS12	ISUPOV, Evgeny
4:55 PM	Coffee break	
5:10 PM	[M18] MEASUREMENT OF THE NEUTRON TIMELIKE ELECTROMAGNETIC FORM FACTOR AT THE VEPP-2000 e+e- COLLIDER WITH THE SND DETECTOR	Dr SEREDNYAKOV, Sergey
5:30 PM	[M38] Yield of particles in the cumulative region at central rapidities and large transverse momenta at the NICA collider	VECHERNIN, Vladimir
5:50 PM	[M02] The Study of Charged Hadrons and Nuclear Fragments Forward Production in CC Collisions at Beam Energy 20.5 GeV/nucleon	BOGOLYUBSKY, Mikhail
6:10 PM	[M5] CUMULATIVE PIONS IN ^{12}C FRAGMENTATION AT 3.2 GEV/NUCLEON	Dr KULIKOV V.V,
6:30 PM	[M00] High pt anti-proton and meson production in cumulative pA reaction at 50 GeV/c	Dr SEMAK, Artem
6:50 PM	[M24] Possibility of existence of new dibaryons below pion production threshold	Dr KOSTENKO, Boris

Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics: HEP experiments (3:15 PM -**7:10 PM)**

time	[id] title	presenter
3:15 PM	[M8] Time scale of the thermal multifragmentation in C(22 GeV) + Au collisions	Dr AVDEYEV, Sergej
3:40 PM	[M57] DEEP SUBTHRESHOLD PRODUCTION PROCESSES OF J/PSI AND MUON PAIRS AND COLD DENSE BARYONIC MATTER	Prof. KIM, Victor
4:05 PM	[M86] Measurements of heavy-flavour hadron production with ALICE at the LHC	JAHNKE, Cristiane
4:30 PM	[M5] Embedding procedure as an instrument to be used for optimal reconstruction of particle trajectories from Λ^0 decay	BATYUK, P.
4:55 PM	Coffee break	
5:10 PM	[M75] Probing properties of pion- and kaon-emitting sources at NICA energies	NIGMATKULOV, Grigory
5:30 PM	[M8] Performance of the MPD detector in the study of strangeness production and event-by-event fluctuations in Au+Au collisions at NICA	MUDROKH, Alexander
5:50 PM	[M06] Track reconstruction in the upgraded tracking system of MPD/NICA.	ZINCHENKO, Dmitry

6:10 PM	[M145] Perspectives of strangeness study at NICA/MPD from realistic Monte Carlo simulation	DRNOYAN, Julieta
6:30 PM	[M101] The quality assessment of the MPD tracking system for the detection of charmed particles in Au-Au collisions at the NICA collider	Dr MALTSEV, Nicolai
6:50 PM	[M192] Charged particle identification by the Time-of-Flight method in the BM@N experiment	Ms ALISHINA, Kseniia FOR THE BM@N COLLABORATION

Saturday, October 17, 2020**Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics (9:00 AM - 1:50 PM)**

time	[id] title	presenter
9:00 AM	[M1] GEOMETRODYNAMICS A CONSTRUCTIVE APPROACH TO THE LOCAL, CANONICAL BASE OF GRAVITY	Prof. MINKOWSKI, Peter
9:25 AM	[M06] Role of Magnetic Field on the signature of Quark Gluon Plasma	KUMAR, Yogesh
9:50 AM	[M45] HE Stratosphere Event of 1975 Revisited: New Physycs in Astroparticle Collision vs. LHC Nucleus-Nucleus Data	Dr PISKOUNOVA, Olga
10:15 AM	[M0] SPIN OBSERVABLES OF pd ELASTIC SCATTERING AT 20 – 50 GeV/c WITHIN THE GLAUBER MODEL AND pN AMPLITUDES	UZI KOV, Yuriy
10:40 AM	[M2] Overview of HERMES results on longitudinal spin asymmetries	Mr VERETENNIKOV, Denis
11:05 AM	Coffee break	
11:20 AM	[M5] The comparison of methods for anisotropic flow measurements with the MPD Experiment at NICA	Mr PARFENOV, Petr
11:45 AM	[M3] First observation of diffraction in proton-lead collisions with the CMS detector	SOSNOV, Dmitry
12:10 PM	[M9] Observation of atmospheric temperature and pressure effects in cosmic muons flux with the DANSS detector	Mr SAMIGULLIN, Eduard
12:35 PM	[M1] SHORT-RANGE NN CORRELATIONS AND QUASI-DEUTERON CLUSTERS IN THE REACTION $^{12}\text{C}+p \rightarrow ^{10}\text{A}+pp+N$	UZI KOV, Yuriy
1:00 PM	[M44] Production of the heavy flavours (D and B mesons) in the Monte Carlo model with string fusion	Dr KOVALENKO, Vladimir
1:20 PM	Lunch break	

Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics (2:10 PM - 5:30 PM)

time	[id] title	presenter
2:10 PM	[M80] Notes on possible physical experiments on SPD and BM@N detectors of the Nuclotron-NICA accelerator complex	Dr STAVINSKIY, Alexey
2:35 PM	[M48] CHARGED HADRON PRODUCTION IN CU+AU COLLISIONS	LARIONOVA, Daria
3:00 PM	[M09] Performance for charged hadrons anisotropic flow measurements of the CBM experiment at FAIR	GOLOSOV, Oleg
3:25 PM	[M40] Anisotropic flow measurements from the NA61/SHINE and NA49 beam momentum scan programs at the CERN SPS	KASHIRIN, Evgeny
3:50 PM	[M26] Scaling properties of azimuthal anisotropy from RHIC to NICA	TARANENKO, Arkadiy
4:15 PM	[M41] THERMAL PHOTON MEASUREMENTS WITH THE FUTURE MPD EXPERIMENT AT NICA	IVANISHCHEV, Dmitry
4:40 PM	[M29] SHORT-LIVED RESONANCES IN THE PHYSICAL PROGRAM OF THE MPD EXPERIMENT AT NICA	RYABOV, Yuriy.G
5:05 PM	[M51] PRODUCTION OF $K^*(892)$ MESONS IN CU+AU AND U+U COLLISIONS	BORISOV, Vladislav