

LXXII International conference "Nucleus-2022: Fundamental problems and applications"

Tuesday 12 July 2022

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, 3-13 (10:00-11:40)

-Conveners: Igor Pshenichnov

time	[id] title	presenter
10:00	[72] Energy dependence of triangular flow for identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 14.5 - 62.4$ GeV from the STAR experiment	POVAROV, Alexey
10:20	[303] Pion femtoscopy in Au+Au collisions at $\sqrt{s_{NN}} = 3$ GeV in the STAR experiment	KRAEVA, Anna
10:40	[365] Femtoscopic probes in collisions of small and large systems from STAR	NIGMATKULOV, Grigory
11:00	[405] Study of NCQ scaling of elliptic and triangular flow for identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 11.5 - 200$ GeV	DEMANOV, Aleksandr

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, 3-13 (12:10-13:50)

-Conveners: Igor Pshenichnov

time	[id] title	presenter
12:10	[174] Direct photon and neutral meson production results from ALICE experiment	BLAU, Dmitry
12:30	[312] Production of Σ^0 hyperon and search of Σ^0 -hypernuclei at LHC with ALICE	BORISSOV, Alexander
12:50	[309] Searches for new physics with ultra-peripheral collisions at the LHC	BURMASOV, Nazar
13:10	[402] Probing the hot QCD matter via quarkonia at the next-generation heavy-ion experiment at LHC	KHARLOV, Yuri
13:30	[142] Performance of the precise electromagnetic calorimeter ALICE/PHOS and upgrade plans	PERESUNKO, Dmitri

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, 3-13 (15:00-16:40)

-Conveners: Yuri Kharlov

time	[id] title	presenter
15:00	[113] First measurement of the forward rapidity gap distribution in proton-lead collisions at LHC energy $\sqrt{s_{\mathrm{NN}}} = 8.16 \mathrm{TeV}$ with the CMS experiment	SOSNOV, Dmitry
15:20	[419] Searches for new physics in the dilepton channel with the CMS detector at the LHC	ZHIZHIN, Ilia
15:40	[423] Searches for Long-Lived Particles in CMS experiment	SHALAEV, Vladislav
16:00	[192] Model study of the energy dependence of the correlation between anisotropic flow and the mean transverse momentum in Au+Au collisions	PARFENOV, Petr
16:20	[427] Geant4 FTF Model Description of the NA61/SHINE Collaboration Data on Strange Particle Production in pp-interactions	UZHINSKII, Vladimir

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, 3-13 (17:10-19:00)**-Conveners: Yuri Kharlov**

time	[id] title	presenter
17:10	[281] Measurement of neutral pion production in Ag+Ag collisions at 1.23 AGeV beam energy at the HADES experiment	SHABANOV, Arseniy
17:30	[353] Study of charged spectators multiplicity distributions in nucleus-nucleus reactions at the HADES experiments	YUMATOVA, Irina
17:50	[119] Test of full PSD readout chain at the mCBM	FINOGEEV, Dmitry
18:10	[250] Upgrade of Projectile Spectator Detector at NA61/SHINE experiment	MOROZOV, Sergey
18:30	[165] MCDST: A UNIFIED STORAGE FORMAT FOR HEAVY ION COLLISION SIMULATED DATA	KUZINA, Ekaterina

Wednesday 13 July 2022

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, ауд. 3-13 (15:00-16:40)

-Conveners: Igor Lokhtin

time	[id] title	presenter
15:00	[269] Elliptic flow for $\pi^{⁰}$ mesons in asymmetric Cu+Au collision system at $\sqrt{s}_{NN}=200$ GeV	BANNIKOV, Egor
15:20	[211] Femtoscopic analysis of identical charged kaons in Pb–Pb collisions at 5.02 TeV with ALICE	Mr ROMANENKO, Gleb
15:40	[128] Hadronic resonance production with ALICE at the LHC	KISELEV, Sergey
16:00	[297] A SPECIFIC HEAT OF NUCLEAR MEDIUM PROBED BY K_S^0 MESONS PRODUCED IN Au+Au COLLISIONS AT RHIC	Prof. TOKAREV, Mikhail

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, ауд. 3-13 (17:10-18:50)

-Conveners: Igor Lokhtin

time	[id] title	presenter
17:10	[304] FRACTAL ANALYSIS OF Au+Au MONTE CARLO EVENTS AT 200 GEV/c	Dr DEDOVICH, Tatiana
17:30	[393] Vorticity and helicity fields in heavy-ion collisions and hyperon polarization	TSEGELNIK, Nikita
17:50	[332] Dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV with CMS detector	Mr EGOROV, Anatolii
18:10	[228] The role of parton distribution functions in the ϕ meson production in relativistic ion collisions	MITRANKOVA, Mariia
18:30	[270] MULTIPLICITY DISTRIBUTIONS AND COMBINANTS IN MULTI-POMERON EXCHANGE MODEL	VECHERNIN, Vladimir

Thursday 14 July 2022

Intermediate and high energies, heavy ion collisions: 1 - НИИЯФ, ЮК, ауд. 3-13 (15:00-16:40)

-Conveners: Igor Pshenichnov

time	[id] title	presenter
15:00	[267] Nucleon resonance contributions to inclusive electron scattering	CHESNOKOV, Vitaly
15:20	[139] $N\pi$ electroproduction in the resonance region in 12 GeV era	GOLUBENKO, Anna
15:40	[131] First results from CLAS12 on $\pi^+\pi^-p$ electroproduction in fully exclusive kinematic	FROLOVA, Anna
15:50	[70] Studies of double pion electroproduction with CLAS12 in kinematics with missing hadron	BULGAKOV, Aleksandr
16:00	[106] Evaluation of $K\Lambda$ and $K\Sigma^0$ electroproduction cross sections from the CLAS data	DAVYDOV, Maksim
16:20	[107] The computational tool for evaluation of $N\pi$ electroproduction cross sections	NASRTDINOV, Almaz

Intermediate and high energies, heavy ion collisions: 2 - НИИЯФ, ЮК, Ц-05 (15:00-16:40)

-Conveners: Grigory Nigmatkulov

time	[id] title	presenter
15:00	[245] Development of DCS for forward spectator detectors at the BM@N, MPD/NICA and NA61/SHINE experiments	PETUKHOV, Oleg
15:20	[411] Systematics of reaction plane determination with the MPD experiment.	TROSHIN, Valerii
15:40	[46] SOLITON SOLUTIONS OF HYDRODYNAMIC EQUATIONS IN DESCRIBING COLLISIONS AND OSCILLATIONS OF ATOMIC NUCLEI	Prof. DYACHENKO, Alexander
16:00	[99] THERMAL PHOTONS PRODUCTION IN PROTON-PROTON COLLISIONS AT HIGH ENERGIES	Dr ALIZADA, Mohsun

Intermediate and high energies, heavy ion collisions: 2 - НИИЯФ, ЮК, Ц-05 (17:09-18:50)

-Conveners: Grigory Nigmatkulov

time	[id] title	presenter
17:09	[278] Source velocity in collisions of 2.1 GeV protons with gold target	Dr AVDEYEV, Sergej
17:29	[170] Measurement of the deuteron analyzing powers A_y , A_{yy} and A_{xx} in dp-elastic scattering at Nuclotron	LADYGIN, Vladimir
17:49	[395] Proton and deuteron polarimetry at Nuclotron-NICA	TEREKHIN, Arkadiy
18:09	[20] HADRON PRODUCTION IN pp AND AA COLLISIONS WITHIN SELF-SIMILARITY APPROACH	ZAITSEV, Andrei

Intermediate and high energies, heavy ion collisions: 1 - НИИЯФ, ЮК, ауд. 3-13 (17:09-18:50)

-Conveners: Igor Pshenichnov

time	[id] title	presenter
17:09	[263] Commissioning of the forward detectors to measure spectators in nucleus-nucleus reactions at the BM@N	IZVESTNYI, Alexander

17:29	[259] Application of the MC-Glauber approach for centrality determination in heavy-ion collisions with the BM@N experiment	ANDOMINA, Alexandra
17:50	[212] High-performance optimization of the software for experimental data decoding in BM@N NICA experiment	NEMNYUGIN, Sergei
18:10	[264] A method of calculating the electric field map of triple GEM detector for the first physics run of BM@N experiment	BARANOV, Dmitry

Friday 15 July 2022

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, ауд. 3-13 (10:00-11:40)

-Conveners: Sergey Petrushanko

time	[id] title	presenter
10:00	[361] Study of cumulative processes in correlation with strangeness and charm production in hadronic collisions at SPS and NICA energies.	YURCHENKO, Semyon
10:20	[362] Charmed Particle Production in Geant4	GALOIAN, Aida
10:40	[193] Magnitude and skewness of elliptic flow fluctuations at NICA energies	LUONG, Vinh
11:00	[388] MPD prospects for the study of hadron and (hyper)nuclei production at NICA energies	MUDROKH, Alexander
11:20	[155] SEARCH FOR NUCLEON-NUCLEON CORRELATIONS IN NUCLEUS-NUCLEUS COLLISION AT THE MPD/NICA	Mr LAVROV, Bogdan

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, ауд. 3-13 (12:10-13:50)

-Conveners: Sergey Petrushanko

time	[id] title	presenter
12:10	[201] Total and partial shear viscosity of hadrons in Au+Au collisions at intermediate energies accessible to NICA	ZABRODIN, Evgeny
12:30	[214] Methods for centrality determination in heavy-ion collisions with the MPD experiment	SEGAL, Ilya
12:50	[219] Performance for spectator symmetry plane estimation with the BM@N experiment	MAMAEV, Mikhail
13:10	[167] The effect of charged particle multiplicity fluctuations on centrality determination procedure using Bayesian approach at NICA energy range	IDRISOV, Dim
13:30	[74] Diphoton Production Rate with the Effect of Chemical Potential in Relativistic Heavy-Ion Collisions	KUMAR, Yogesh

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, ауд. 3-13 (15:00-16:40)

-Conveners: Vladimir Zhrebchevsky

time	[id] title	presenter
15:00	[334] Measurement of the timing resolution of scintillation detectors samples of a future time-of-flight neutron detector for the BM@N experiment	MAKHNEV, Aleksandr
15:20	[284] Anisotropic flow measurements from the NA61/SHINE and NA49 beam momentum scan programs at the CERN SPS	GOLOSOV, Oleg
15:40	[118] Study of the mPSD response in O+Ni collisions at 2 AGeV at the mCBM	KARPUSHKIN, Nikolay
16:00	[412] READOUT ELECTRONICS FOR THE WIDE APERTURE SILICON TRACKING SYSTEM OF THE BM@N EXPERIMENT AT NICA	SHITENKOV, Mikhail
16:20	[449] Online data processing and monitoring of the BM@N experiment	GABDRAKHMANOV, Ilnur

Intermediate and high energies, heavy ion collisions - НИИЯФ, ЮК, ауд. 3-13 (17:10-18:50)

-Conveners: Vladimir Zhrebchevsky

time	[id] title	presenter
17:10	[447] EFFECTS OF LOCAL PARITY NONCONSERVATION IN STRONG INTERACTIONS IN Pb-Pb COLLISIONS AT LHC ENERGY	KOVALENKO, Vladimir
17:30	[140] Smoking gun of nuclear clusterization in collisions of light relativistic nuclei	SVETLICHNYI, Aleksandr
17:50	[127] Role of string fusion mechanism in fluctuation studies	PROKHOROVA, Daria
18:10	[45] DEVELOPMENT OF A NON-EQUILIBRIUM HYDRODYNAMIC APPROACH TO DESCRIBING THE EMISSION OF HIGH-ENERGY SECONDARY PARTICLES IN COLLISIONS OF HEAVY IONS OF INTERMEDIATE ENERGIES	Prof. DYACHENKO, Alexander