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# The 5th international conference on particle physics and astrophysics

## Tuesday 06 October 2020

### Heavy Ion Physics: 1 - Heavy Ion (17:05-19:20)

-Conveners: Grigory Nigmatkulov

time	[id] title	presenter
17:05	[801] Thermal photon production in Au+Au collisions observed by PHENIX	MITRANKOV, Iurii
17:20	[642] First observation of diffraction in proton-lead collisions at the LHC with the CMS detector	SOSNOV, Dmitry
17:35	[669] In-medium study of $J/\psi$ state using D meson loop effect	Dr. CHHABRA, Rahul
17:50	[671] Feasibility of thermal photon measurements in heavy ion collisions at NICA energies	Dr. IVANISHCHEV, Dmitry
18:05	[854] Reconstruction of $\gamma\gamma$ mass spectra in AgAg collisions at 1.23 and 1.58 AGeV beam energies with ECal detector of the HADES experiment	SHABANOV, Arseniy
18:20	[863] Heavy-flavour production in proton-proton collisions with the ALICE experiment	GYULAI, László
18:35	[769] Methods for event plane determination in flow measurements with HADES	MAMAEV, Mikhail
18:50	[927] Overview of Recent Heavy Flavor Results from PHENIX at RHIC	NOUICER, Rachid

## Wednesday 07 October 2020

### Heavy Ion Physics: 2 - Heavy Ion (17:55-20:10)

-Conveners: Dmitry Blau

time	[id] title	presenter
17:55	[635] Generic algorithm for multi-particle cumulants of azimuthal correlations at the LHC	ZHOU, You
18:10	[811] Anisotropic flow measurements from the NA61/SHINE and NA49 beam momentum scan programs at the CERN SPS	KASHIRIN, Evgeny
18:25	[593] Femtoscopic correlations of identical charged particles in pp collisions at LHC energies with event-shape selection	MALININA, Ludmila
18:40	[760] Global hyperon polarization in Au+Au collisions at $\sqrt{s_{NN}} = 27$ GeV in STAR experiment	Mr. ALPATOV, Egor
18:55	[925] Probing pT-dependent flow vector fluctuations with ALICE	NIELSEN, Emil Gorm
19:10	[595] Non-identical charged kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV by ALICE	Mr. MIKHAYLOV, Konstantin MIKHAYLOV, Konstantin
19:25	[737] Monte-Carlo study of $\Lambda$ ( $\bar{\Lambda}$ ) polarization at MPD	NAZAROVA, Elizaveta
19:40	[898] Vorticity structure and polarization of $\Lambda$ hyperons in Au-Au collisions	Mr. ZINCHENKO, Alexey

## Thursday 08 October 2020

### Heavy Ion Physics: 3 - Heavy Ion (11:00-13:00)

-Conveners: Grigory Nigmatkulov

time	[id] title	presenter
11:00	[779] Chemical freeze-out of light nuclei in high energy nuclear collisions and resolution of the hyper-triton chemical freeze-out puzzle	BUGAEV, Kyrill
11:15	[903] Nuclear modification factor in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV using Boltzmann's transport Equation with Tsallis statistics	PAREEK, Pooja TIWARI, Swatantra Kumar
11:30	[707] Prospects for the study of the strangeness production at the NICA experiments	KIREYEU, Viktor
11:45	[722] Influence of quark content and collision geometry on proton production in heavy ion collisions	LARIONOVA, Daria
12:00	[752] 12 years of HYDJET++ generator: history and the latest results	PETRUSHANKO, Sergey
12:15	[899] Stopping of protons in pA collisions at SPS and NICA energies in analytical hydrodynamic model and in SMASH event generator	ERMAKOVA, Vera SANDUL, Vladislav
12:30	[609] The Transparent Nucleus: Unperturbed inverse kinematics nucleon knockout measurements with a 48 GeV/c carbon beam	ATOVULLAEV, Timur

### Heavy Ion Physics: 4 - Heavy Ion (17:35-19:50)

-Conveners: Peter Senger

time	[id] title	presenter
17:35	[591] QCD phase diagram with isospin and chiral imbalance and its dualities	ZHOKHOV, Roman
17:50	[654] Shear viscosity of nucleons and pions in heavy-ion collisions at energies of NICA	ZABRODIN, Evgeny
18:05	[596] Hadronic resonance production with ALICE at the LHC	KISELEV, Sergey
18:20	[672] Study of the resonances in heavy-ion collisions at NICA energies using the MPD detector	Dr. RIABOV, Victor
18:35	[721] Production of $K^*(892)$ mesons in $^3\text{He}+\text{Au}$ collisions at $\sqrt{s_{\text{NN}}} = 200$ GeV	BORISOV, Vladislav
18:50	[862] Study of strongly interacting matter properties at the energies of the NICA collider using the methods of factorial moments	Dr. KODOLOVA, Olga CHEREMNOVA, Mariya
19:05	[809] Topological studies of light-flavor hadron production in pp, p-Pb and Pb-Pb collisions with ALICE at the LHC	Dr. TRIPATHY, Sushanta
19:20	[800] Modification of hadron production in small and large systems observed by PHENIX	MITRANKOVA, Mariia

## Friday 09 October 2020

### Heavy Ion Physics: 5 - Heavy Ion (11:00-13:15)

time	[id] title	presenter
11:00	[839] Study of the beam energy dependence of anisotropic flow in relativistic heavy ion collisions using scaling relations.	TARANENKO, Arkadiy
11:15	[755] Evolution of anisotropic flow of produced particles from Au+Au collisions at $\sqrt{s_{NN}}=7.7 - 62.4$ GeV in a hybrid models	POVAROV, Alexey
11:30	[847] Measurements of the like-sign pion and kaon femtoscopic correlations at NICA energies	Mr. NIGMATKULOV, Grigory
11:45	[605] Pion and kaon femtoscopy in Pb-Pb collisions at 2.76 TeV in comparison with the EPOS 3 model prediction	ROGOCHAYA, Elena
12:00	[824] Methods for anisotropic flow measurements with the MPD Experiment at NICA	IDRISOV, Dim
12:15	[640] Performance for charged hadrons anisotropic flow measurements of the CBM experiment at FAIR	GOLOSOV, Oleg
12:30	[845] Pion femtoscopy in p+Au and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV in the STAR experiment	KHYZHNIAK, Eugenia
12:45	[823] Elliptic ( $v_2$ ) and triangular ( $v_3$ ) anisotropic flow of identified hadrons from the STAR Beam Energy Scan program.	Mr. PARFENOV, Peter

### Heavy Ion Physics: 6 - Heavy Ion (16:55-19:10)

**-Conveners: Alexander Ivashkin**

time	[id] title	presenter
16:55	[634] Approaches in centrality measurements of heavy ion collisions with forward calorimeters at MPD/NICA facility	VOLKOV, Vadim
17:10	[664] Methods for centrality determination in heavy-ion collisions with the CBM experiment	SEGAL, Ilya
17:25	[762] Application of Machine Learning methods for centrality determination in heavy ion reactions at the BM@N and MPD@NICA	KARPUSHKIN, Nikolay
17:40	[742] Primary vertex reconstruction in the BM@N experiment	MERTS, Sergey
17:55	[754] Upgrade of the QA system in the BM@N experiment at the NICA	Mr. MASHITSIN, Konstantin