

XXV International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics"

Tuesday, 19 September 2023

Parallel: Relativistic heavy ion collisions: Session II - Blokhintsev auditorium (14:30 - 16:10)

| time | [id] title | presenter |
|-------|---|--------------------|
| 14:30 | [65] Some highlights on studies of strangeness and charm in heavy ion collisions by ALICE at LHC | FEOFILOV, Grigory |
| 14:50 | [49] Study of the possibility of lambda hyperon and short-lived neutral kaon reconstruction in the BM@N experiment. | BARAK, Ramin |
| 15:10 | [7] Study of the π^+ and K^+ production in ion-ion collisions at 3.2 GeV/n at the Nuclotron | PLOTNIKOV, Vasili |
| 15:30 | [39] Perspectives for the study of hyperon and hypernuclei production in heavy-ion collisions at NICA/MPD | KOLESNIKOV, Vadim |
| 15:50 | [51] Optimization of techniques for lambda hyperon measurement at MPD/NICA | SUVARIEVA, Dilyana |

Parallel: Relativistic heavy ion collisions: Session II - Blokhintsev auditorium (16:30 - 17:50)

| time | [id] title | presenter |
|-------|---|-----------------------|
| 16:30 | [96] The Hubble constant in Heavy Ion Collisions | KOLOMOYETS, Natalia |
| 16:50 | [69] Global polarization of Ξ hyperons in Au+Au collisions in the STAR experiment | ALPATOV, Egor |
| 17:10 | [90] Negative moment of inertia and rotational instability of gluon plasma | SYCHEV, Dmitrii |
| 17:30 | [114] On the coherent inelastic binary and multiparticle processes in ultrarelativistic hadron-nucleus, photon-nucleus and nucleus-nucleus collisions | LYUBOSHITZ, Valery V. |

Thursday, 21 September 2023**Parallel: Relativistic heavy ion collisions: Session II - Blokhintsev auditorium (09:00 - 10:40)**

| time | [id] title | presenter |
|-------|--|------------------------|
| 09:00 | [186] Femtoscopy in pp collisions at 13 TeV with ATLAS at LHC | Prof. KULCHITSKY, Yuri |
| 09:20 | [87] Hadron elliptic flow measurements at PHENIX | Mr BANNIKOV, Egor |
| 09:40 | [52] Elliptic flow fluctuations at NICA energy range | DEMANOV, Alexander |
| 10:00 | [57] Performance study of the anisotropic flow measurements of identified charged hadrons with fixed-target mode of the MPD experiment at NICA | PARFENOV, Peter |
| 10:20 | [64] Azimuthal flow as a probe of color string fusion in p+p collisions | ANDRONOV, Evgeny |

Parallel: Relativistic heavy ion collisions: Session II - Blokhintsev auditorium (11:00 - 13:00)

| time | [id] title | presenter |
|-------|--|----------------------|
| 11:00 | [53] Directed and elliptic flow of protons in the heavy ion collisions at 2-4 GeV | MAMAEV, Mikhail |
| 11:20 | [112] Performance of BM@N Scintillation Wall in Xe+CsI@3.8 AGeV run | VOLKOV, Vadim |
| 11:40 | [20] Observations of projectile neutrons in the relativistic fragmentations | MARIMUTHU, N |
| 12:00 | [46] Methods for centrality determination in heavy-ion collisions based on Monte-Carlo sampling of spectator fragments | SEGAL, Ilya |
| 12:20 | [147] Glauber modelling of the relativistic nuclear collisions at partonic level | KOVALENKO, Vladimir |
| 12:40 | [78] Multiplicity correlations in the model with string clusters in pp collisions at LHC energies | BELOKUROVA, Svetlana |

Parallel: Relativistic heavy ion collisions: Session II - Blokhintsev auditorium (14:30 - 16:10)

| time | [id] title | presenter |
|-------|--|-----------------------|
| 14:30 | [21] The matrix method for estimating the background induced by the misidentification of a jet as a photon in pp collider experiment | Ms KAZAKOVA, Katerina |
| 14:50 | [113] Probing a core of the interaction potential of two lambda-hyperons with femtoscopic correlations at LEP | LEDNICKY, Richard |
| 15:10 | [80] Model investigation of transverse cumulants of different orders in nuclear-nuclear collisions | ZVIAGINA, Agniia |
| 15:30 | [178] Two particle correlations in ion collisions | ROGACHEVSKY, Oleg |
| 15:50 | [68] Exotic Λ -hypernuclei: stability and charge symmetry breaking | SIDOROV, Semyon |

Parallel: Relativistic heavy ion collisions: Session II - Blokhintsev auditorium (16:30 - 18:10)

| time | [id] title | presenter |
|-------|--|--------------------|
| 16:30 | [2] Hadronic resonance production with ALICE at the LHC | KISELEV, Sergey |
| 16:50 | [97] MPD feasibility for the study of identified hadron spectra at $\sqrt{s_{NN}} = 9.2$ GeV | MUDROKH, Alexander |

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|-------|--|-----------------------|
| 17:10 | [101] Description of charged particle dependence on transverse momentum with Tsallis-like distribution | NEDOREZOV, Egor |
| 17:30 | [110] Tsallis statistics with escort probabilities and transverse momentum distributions of hadrons | PARVAN, Alexandru |
| 17:50 | [44] Probing of exotic multiquark states in hadron and heavy ion collisions | Dr BARABANOV, Mikhail |

Friday, 22 September 2023**Parallel: Relativistic heavy ion collisions: Session II - Blokhintsev auditorium (09:00 - 10:40)**

| time | [id] title | presenter |
|-------|--|--|
| 09:00 | [76] NLO pQCD analysis of semi-inclusive pion and kaon production in proton-proton and heavy-ion collisions at the STAR and NICA kinematics. Tests of the parametrizations of Fragmentation Functions. | KOTLORZ, D. |
| 09:20 | [61] Two-Pion Femtoscopic Correlations in Au+Au Collisions at $\sqrt{s_{NN}} = 3$ GeV from STAR | KRAEVA, Anna |
| 09:40 | [50] Identical Pion Interferometry from Au+Au Collisions at $\sqrt{s_{NN}} = 3.2, 3.5, \text{ and } 3.9$ GeV in the STAR Experiment at RHIC | LUONG, Vinh |
| 10:00 | [89] Open and hidden strangeness with kaons and ϕ -mesons in Bjorken energy density approach for central A+A collisions from SPS to LHC | SHAPOSHNIKOVA, Olga |
| 10:20 | [67] Femtoscopic correlations of charged kaons in Au-Au collisions at BES-I STAR energy region with the UrQMD model | MIKHAYLOV, Konstantin PISCHAEVA, Anna |