



# The 9th Asian Triangle Heavy-Ion Conference (ATHIC 2023)

## Tuesday 25 April 2023

### Poster Session - Multi-Purpose Studio, 2nd Floor (16:20 - 18:20)

time	[id] title	presenter
16:20	[203] Medium effects on two-particle correlations based on the theory of quantum open systems	YAMAMOTO, Mamoru
16:20	[230] Simulation studies and R&D status and plans in Japan for the EIC ePIC Barrel TOF with AC-LGAD	MATSUTANI, Kanato YAMAUCHI, Wataru
16:20	[65] Production of $\Omega$ NN and $\Omega\Omega$ N in ultra-relativistic heavy-ion collisions	ZHANG, Liang
16:20	[220] Monte Carlo study of Schwinger model at finite density	OHATA, Hiroki
16:20	[231] Higgs-confinement continuity in light of particle-vortex statistics	HAYASHI, Yui
16:20	[225] Multiplicity dependence of $\Xi_c^+$ baryon production in pp collisions at $\sqrt{s} = 13$ TeV with ALICE	CHO, Jaeyoon
16:20	[214] Effect of hydrodynamic fluctuations on mixed harmonic cumulants	NONAKA, Chiho
16:20	[215] Verifying repulsive $\Lambda$ potential at high densities using heavy-ion collision and hypernuclear data	JINNO, Asanosuke
16:20	[245] Thermodynamic properties of QGP formation with one loop correction at finite chemical potential	Prof. SOMORENDRO SINGH, Shougaijam
16:20	[221] Numerical calculation of meson mass using two-body Dirac equation	HONG, Younghoo
16:20	[211] Evaluation of a high-speed transmission cable for sPHENIX-INTT silicon detector	KATO, TOMOYA
16:20	[205] Exploring high-density baryonic matter in J-PARC-HI Project	SAKO, Hiroyuki
16:40	[179] Beam test studies of silicon sensors for ALICE ITS3	JANG, Hangil
16:40	[181] Heavy meson-nucleon molecules in the meson exchange model	YAMAGUCHI, Yasuhiro
16:40	[189] Feasibility study of ultra-intense magnetic field detection via virtual photon derived dimuon polarization in ALICE Run 3	MURAOKA, Shunichiro
16:40	[180] Investigation of the initial geometry description using collectivity in the AMPT model	LIM, Hyunji
16:40	[129] Anisotropic flow of charmonium states in heavy ion collisions	CHO, Sungtae
16:40	[132] Unphysical topological charge of nonabelian gauge theory and implications to hadron physics	Dr YAMANAKA, Nodoka
16:40	[202] Model study of charged particle production in Pb–Pb collisions at $\sqrt{s_{NN}} = 5.36$ TeV	PARK, Hyebin
16:40	[146] The jet transport coefficient uncertainties from parton fragmentation functions in heavy ion collisions	HAN, Qingfei
16:40	[154] Jet quenching effect in heavy ion collision based on AdS/CFT energy loss model	Mr ZHU, Liqiang
16:40	[171] Development of the ALICE FoCal-E pad detector	INABA, Motoi
16:40	[191] Hydrodynamic simulation of dilepton production with chiral symmetry restoration scenario	SAKAI, Azumi

17:00	[183] Forward muon track reconstruction between multiple detectors using machine learning in ALICE Run 3	Mr EJIMA, Ren
17:00	[204] Simulation study of the Ring Imaging Cherenkov detector for the next-generation heavy-ion experiment at LHC	KURITA, Shunsuke
17:00	[178] Study of jet fragmentation in ALICE	RYU, Jaehyeok
17:00	[217] Impact of nuclear deformation on longitudinal flow decorrelations in high-energy isobar collisions	Dr NIE, Maowu
17:00	[175] Covariant chiral kinetic equation in non-Abelian gauge field from “covariant gradient expansion”	LUO, Xiaoli
17:00	[173] Flow measurements via long-range two-particle correlations in small systems with ALICE	JI, Su-Jeong
17:00	[197] Model study of jet fragmentation transverse momentum distributions in pp collisions using D0-meson tagged jets.	LEE, Hyungjun
17:00	[130] Charge dependent directed flow of $\pi^{\pm}$ , $K^{\pm}$ , and $p(\bar{p})$ in Au+Au, $^{96}_{44}\text{Ru}+^{96}_{44}\text{Ru}$ , and $^{96}_{40}\text{Zr}+^{96}_{40}\text{Zr}$ collisions from STAR	SHEN, Diyu
17:00	[141] Spin alignment of vector mesons in a rotating medium—a NJL model study	WEI, Minghua
17:00	[172] Scaling behaviors of heavy flavor meson suppression and flow in different nuclear collision systems at the LHC	LI, Shu-Qing
17:00	[147] Jet shape depending on the gradient of jet energy loss in heavy-ion collisions	XIAO, Yuxin
17:20	[198] Dijet studies at the LHC	Mr BAE, Joonsuk
17:20	[94] Probing initial baryon stopping and equation of state with rapidity-dependent directed flow of identified particles	DU, Lippei
17:20	[120] Longitudinal momentum fraction of heavy flavor meson in jets in high-energy nuclear collisions	LI, Yao
17:20	[125] Anisotropic responses of heavy quark potential and diffusion coefficient to the magnetized QGP	ZHANG, He-Xia
17:20	[135] The hydrodynamics description of anisotropic flow and flow fluctuations in $\sqrt{s_{NN}}=5.02$ TeV Pb-Pb collisions at the LHC	ZHU, Jie
17:20	[161] Evolution of global polarization in relativistic heavy-ion collisions within a perturbative approach	LI, Xiaowen
17:20	[168] The Fox-Wolfram Moment of jet production in relativistic heavy ion collisions	KONG, WeiXi
17:20	[176] Covariant chiral kinetic equation in non-Abelian gauge field from “covariant gradient expansion”	LUO, Xiaoli
17:20	[182] Directed flow of light flavor hadrons	CHATTERJEE, Sandeep
17:20	[193] Feasibility of $\rho(770)^0 \rightarrow \pi\pi$ measurement with standalone MFT tracks with ALICE	KIMURA, Kento
17:20	[196] Performance of ALICE Forward Calorimeter E-Pad using hadron and electron beams at SPS	PARK, Hanseo
17:40	[185] Possible enhancement of dilepton production and transport coefficients due to the QCD phase transitions at high density	NISHIMURA, Toru
17:40	[192] Measurements of weak boson production via electrons in pp collisions at $\sqrt{s}=13$ TeV with ALICE	SAKAI, Shingo

17:40	[186] Study of multiplicity-dependent charmonia production in p + p collisions with PHENIX	OH, Jongho
17:40	[199] Investigation of the cause and establishment of a suppression method of Fake Hits generated in the readout circuit board of sPHENIX-INNT silicon detector	Mr SHISHIKURA, Ryota
17:40	[160] Describing Ridge behavior via kinematics between jets and medium	CHO, Soyeon
17:40	[156] Initial conditions in Bjorken expansion from causality	HOSHINO, Tau
17:40	[134] Dynamics of causal hydrodynamic fluctuations in an expanding system	FUJII, Shin-ei
17:40	[118] Parton splitting scales of reclustered large-radius jets in high-energy nuclear collisions	YANG, Mengquan
17:40	[223] Charge-dependent anisotropic flow in relativistic resistive magneto-hydrodynamic expansion	NONAKA, Chiho
17:40	[212] An efficient implicit numerical solver for relativistic hydrodynamics	TOUROUX, Nathan
17:40	[188] Dimuon production at low transverse momentum in peripheral Au+Au collisions at 200 GeV at STAR	LI, Ziyang
18:00	[237] Investigation of azimuthal anisotropy of charmonium with the CMS experiment	KIM, Hyunchul
18:00	[240] Hyperon reconstruction methods with high purity and efficiency in Pb-Pb collisions at ALICE	TOKUMOTO, Ryoka
18:00	[232] Gravitational form factors of a kink in 1+1 dimensional real scalar model	ITO, Hiroaki
18:00	[241] Detectability of $\omega$ meson mass modification with pole dropping and/or broadening scenarios	TOMOHIRO, Keisuke
18:00	[229] R&D activities of the FAZIA upgrade in Korea	KIM, Giyeong KIM, Jiyoung
18:00	[95] Flavor dependence of jet quenching in heavy-ion collisions	Dr ZHANG, Shan-Liang
18:00	[116] Measurements of vector meson mass spectra in pA collisions at J-PARC	OZAWA, Kyoichiro
18:00	[207] Computational Deep Neural Network for Solving Differential Equation	KIM, Hyunwoo
18:00	[233] Transport Model Approach to Quark-Gluon Plasma Equilibration	Mr ABDI, Cendikia
18:00	[235] Muon triggering and reconstruction strategy for Run3 heavy ion collisions for CMS	LEE, Junseok
18:00	[236] Separation of heavy-flavour decay muons with the ALICE Muon Forward Tracker (MFT)	ISHAK, Muhamad Noor Izwan