

The 13th Workshop on QCD Phase Transition and Relativistic Heavy-ion Physics(QPT 2019)

Agenda of Scientific Program

August 16

On-site Registration	
Time	Location
8:00-20:00	The lobby of the Building B at Hualongcheng Hotel

August 17

On-site Registration	
Time	Location
7:30-18:00	The lobby of the third floor at Conference Center

August 17, Plenary Sessions, Morning, Day 1

	Chair: JIANG Bingfeng (Location: The Multi-function hall on the third floor at Conference Center)	
Time	Title	Presenter
8:15-8:30	Welcome Address	One of Leaders of HBMY
Plenary Session I	Chair: MA Yugang (Location: The Multi-function hall on the third floor at Conference Center)	
8:30-9:05	Study QCD phase diagram in high-energy nuclear collisions	XU Nu
9:05-9:40	New physics at high baryon density	ZHUANG Pengfei
9:40-10:10	Photo and Tea Break	
Plenary Session II	Chair: HUANG Huanzhong (Location: The Multi-function hall on the third floor at Conference Center)	
Time	Title	Presenter
10:10-10:35	Signatures of Chiral Magnetic Effect in Heavy Ion Collisions	LIAO Jinfeng
10:35-11:00	On chiral kinetic theory	HUANG Xuguang
11:00-11:25	Chiral kinetic theory with Landau level basis	LIN Shu
11:25-11:50	Chiral and spin kinetic theory from Wigner function approach	GAO Jianhua
11:50-12:15	Search for the CME and CMW at the LHC with ALICE	SHOU Qiye
12:15	Lunch (Location: The cafeteria on the first floor at Conference Center)	

August 17, Plenary Sessions, Afternoon, Day 1

Plenary Session III	Chair: LI Xueqian (Location: The Multi-function hall on the third floor at Conference Center)	
Time	Title	Presenter
14:00-14:25	RHIC-STAR 实验的时间投影室及前向探测器升级	XU Qinghua
14:25-14:50	Recent results from ATLAS experiment	JIA Jiangyong
14:50-15:15	ALICE highlights and future plan in China	MAO Yaxian
15:15-15:40	Nuclear effects in proton-nucleus and electron-ion collisions	XING Hongxi
15:40-16:05	Quark-gluon discrimination in pp collisions at the LHC & prospects for heavy ion analyses	Okawa Hideki
16:05-16:25	Tea Break	
Plenary Session IV	Chair: LIU Feng (Location: The Multi-function hall on the third floor at Conference Center)	
Time	Title	Presenter
16:25-16:50	Transport model study of collectivity in small systems	MA Guoliang
16:50-17:15	The characterization of pre-equilibrium dynamics in heavy-ion collisions with generalized "adiabatic approximation"	YIN Yi
17:15-17:40	Longitudinal hydrodynamical response and pseudo-rapidity dependent harmonic flow in relativistic heavy-ion collisions	YAN Li
17:40-18:05	Machine learning for high energy heavy ion collisions	PANG Longgang
18:05-18:30	Nuclear liquid-gas phase transition with machine learning	WANG Rui
18:30	Banquet (Location: The A-Hall on the second floor at Conference Center)	

August 18, Plenary Sessions, Morning, Day 2

Plenary Session I	Chair: WANG Qun (Location: The Multi-function hall on the third floor at Conference Center)		
Time	Title		Presenter
8:15-8:40	Dense Matter and Neutron Star from Dynamical holographic QCD model		HUANG Mei
8:40-9:05	Baryon as a Quantum Hall Droplet and the Cheshire Cat Principle		MA Yongliang
9:05-9:30	QCD Phase structure from Lattice QCD		DING Hengtong
9:30-9:55	QCD at finite temperature and density within the FRG approach		FU Weijie
9:55-10:20	Determining the chiral crossover by the Mott transition of Goldstone bosons		MAO Shijun
10:20-10:40	Tea Break		
Plenary Session II	Chair: ZHOU Daicui (Location: The Multi-function hall on the third floor at Conference Center)		
Time	Title		Presenter
10:40-11:05	Elliptic Flow of Heavy Quarkonia in small systems		XIAO Bowen
11:05-11:30	Collectivity in small collision systems		CHEN Zhenyu
11:30-11:55	The recent flow measurements from RHIC-STAR		SHI Shusu
11:55-12:20	Recent results on light flavor and dileptons measurements at STAR		YANG Chi
12:20	Lunch (Location: The cafeteria on the first floor at Conference Center)		
Afternoon	Parallel sessions		
14:00-18:00	Parallel session I	Parallel session II	Parallel session III
Location	The Multi-function hall-02 on the third floor at Conference Center	The Lecture hall-01 on the fourth floor at Conference Center	The VIP hall-02 on the fourth floor at Conference Center
18:00	Dinner (Location: The cafeteria on the first floor at Conference Center)		

August 18, Parallel Session I, Afternoon, Day 2

A	Chair: ZHANG Benwei (Location: The Multi-function hall-02 on the third floor at Conference Center)	
Time	Title	Presenter
14:00-14:15	Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing	ZHANG Chao
14:15-14:30	Charm and beauty isolation in heavy flavor electron measurements in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV at RHIC	SI Fan
14:30-14:45	Analysis of the freeze out temperatures and freeze out volume in A-A and p-p collisions at high energies	WAQAS Muhammad
14:45-15:00	Production of D_{s}^{\pm} mesons in Au+Au collision at $\sqrt{s_{NN}} = 200$ GeV by STAR	FU Chuan
15:00-15:15	QLBT: The Linear Boltzmann Transport model for heavy quarks with a medium of quasi-particles	LIU Feng-lei
15:15-15:30	Nonperturbative enhancement of heavy quark-antiquark annihilation in the Quark-Gluon Plasma	WU Xin
15:30-15:45	Modification of W+jet in Heavy ion collisions	ZHANG Shan-liang
15:45-16:00	Diffusion of charm quarks in jets in high-energy heavy-ion collisions	WANG Sa
16:00-16:15	Thermodynamic geometry as a tool to study the QCD phase transition	ZHANG Bonan
16:15-16:35	Tea Break	
B	Chair: WANG Yaping (Location: The Multi-function hall-02 on the third floor at Conference Center)	
Time	Title	Presenter
16:35-16:50	EMCal Development for sPHENIX Experiment	MA Weihu
16:50-17:05	ALICE ITS upgrade and CCNU effort	ZHANG Biao
17:05-17:20	Forward Silicon Tracker Upgrade for the STAR Detector	DONG Jianing
17:20-17:35	Probing transport properties with boson-Jet correlations in heavy-ion collisions	CHEN Lin
17:35-17:50	Extracting jet transport coefficient via single hadron and dihadron productions in high-energy heavy-ion collisions	XIE Man
18:00	Dinner (Location: The cafeteria on the first floor at Conference Center)	

August 18, Parallel Session II, Afternoon, Day 2

A	Chair: QIN Guangyou (Location: The Lecture hall-01 on the forth floor at Conference Center)	
Time	Title	Presenter
14:00-14:15	Measurement of the sixth-order cumulant of net-proton multiplicity distributions at RHIC	NONAKA Toshihiro
14:15-14:30	Second-order Off-diagonal cumulants of net-proton, net-kaon and net-charge multiplicity distributions at RHIC	CHATTERJEE Arghya
14:30-14:45	Probing QCD critical fluctuations from intermittency analysis in relativistic heavy-ion collisions	JIN Wu
14:45-15:00	Locating fixed points in the phase plane	ZHANG Yanhua
15:00-15:15	Unfolding as a Solution to the Non-binomial Efficiency Correction for Higher Moments of Multiplicity Distribution	HE Shu
15:15-15:30	Energy dependence of Cumulants of Net-Proton and Net-Baryon Multiplicity distributions in Au+Au collisions from JAM	ZHANG Yu
15:45-16:05	Tea Break	
B	Chair: ZHANG Hanzhong (The Lecture hall-01 on the forth floor at Conference Center)	
Time	Title	Presenter
16:05-16:20	Weak p_{\perp} dependence of inclusive jet R_{AA} and extraction of jet energy loss distributions	HE Yayun
16:20-16:35	Recent jet results in Heavy-Ion collisions in RHIC experiments	SAHOO Nihar
16:35-16:50	Extracting the jet transport coefficient of cold nuclear matter from world data	RU Peng
16:50-17:05	Longitudinal dependence of B and D mesons and heavy flavor leptons nuclear modification factor in relativistic heavy ion	PRADO Caio
17:05-17:20	Flavor hierarchy of jet quenching in relativistic heavy-ion collisions	XING Wen-jing
17:20-17:35	System and event activity dependences of inclusive jet production with ALICE	HOU Yongzhen
18:00	Dinner (Location: The cafeteria on the first floor at Conference Center)	

August 18, Parallel Session III, Afternoon, Day 2

A	Chair: FENG Shengqin (Location: The VIP hall-02 on the forth floor at Conference Center)	
Time	Title	Presenter
14:00-14:15	高能重离子碰撞中低横动量区的重介子分布	CHENG Luan
14:15-14:30	Improvement of heavy flavor productions in an updated multiphase transport model	ZHENG Liang
14:30-14:45	Charm hadron production and properties of charm quarks in ultra-relativistic heavy ion collisions	WANG Ruiqin
14:45-15:00	Light Nuclei (d, t) Production in Au+Au Collisions at $\sqrt{s_{NN}} = 7.7 - 200$ GeV from the JAM model	LIU Hui
15:00-15:15	Prompt Open Charm Production at 5 TeV Proton-lead Collisions in LHCb	YANG Di
15:15-15:30	Collision Energy Dependence of Light Nuclei (Triton) Production at STAR	ZHANG Dingwei
15:30-15:45	Production of (multi-)strange particles in jets and the underlying event in pp collisions at $\sqrt{s}=13\text{TeV}$ with ALICE at the LHC	CUI Pengyao
15:45-16:05	Tea Break	
B	Chair: MA Yongliang (Location: The VIP hall-02 on the forth floor at Conference Center)	
Time	Title	Presenter
16:05-16:20	The study of quantum fluctuation effects of a soliton embedded in a thermal vacuum	SHU Song
16:20-16:35	Off-equilibrium infrared structure of self-interacting scalar fields	DENG Jian
16:35-16:50	Baryon number fluctuations and QCD phase structure	SHAO Guoyun
16:50-17:05	Chiral phase transition in the non-extensive linear sigma model	SHEN Keming
17:05-17:20	Chiral phase transition in expanding quark system	WANG Ziyue
17:20-17:35	The cooling of the quarkyonic star	WAN Shensong
18:00	Dinner (Location: The cafeteria on the first floor at Conference Center)	

August 19, Plenary Sessions, Morning, Day 3

Plenary Session I	Chair: HUANG Mei (Location: The Multi-function hall on the third floor at Conference Center)		
Time	Title		Presenter
8:15-8:40	Explore the QCD Phase Structure with Relativistic Heavy-ion Collisions at RHIC		LUO Xiaofeng
8:40-9:05	Light flavor production in STAR BES and QCD phase transition		ZHU Xianglei
9:05-9:30	Recent open heavy flavor production at RHIC		ZHANG Yifei
9:30-9:55	Charm-hadron production in pp and AA collisions		HE Min
9:55-10:20	Tale of coherent photon products: from UPC to HHIC		ZHA Wangmei
9:20-10:40	Tea Break		
Plenary Session II	Chair: WU Yuanfang (Location: The Multi-function hall on the third floor at Conference Center)		
Time	Title		Presenter
10:40-11:05	Diffusion of heavy quarks in the early stages of high energy nuclear collisions		Ruggieri
11:05-11:30	Medium modification of heavy flavor jets in HIC		DAI Wei
11:30-11:55	Recent quarkonium measurements from RHIC-STAR		TANG Zebo
11:55-12:20	Quantitative analysis of charmonium eigenstates in the expanding QGP		CHEN Baoyi
12:20	Lunch (Location: The cafeteria on the first floor at Conference Center)		
Afternoon	Parallel sessions		
14:00-18:00	Parallel session I	Parallel session II	Parallel session III
Location	The Multi-function hall-02 on the third floor at Conference Center	The Lecture hall-01 on the fourth floor at Conference Center	The VIP hall-02 on the fourth floor at Conference Center
18:00	Dinner (Location: The cafeteria on the first floor at Conference Center)		

August 19, Parallel Session I, Afternoon, Day 3

A	Chair: SHAO Fenglan (Location: The Multi-function hall-02 on the third floor at Conference Center)	
Time	Title	Presenter
14:00-14:15	The Effect of Deuteron Production on Chemical Freeze-out parameters	YU Ning
14:15-14:30	Upsilon measurements in heavy-ion collisions at RHIC-STAR	YANG Qian
14:30-14:45	Inclusive diffractive heavy quarkonium photoproduction in pp, pA and AA collisions	CAI Yanbin
14:45-15:00	Photoproduction of Υ in hadronic heavy-ion collisions	LIU Zhen
15:00-15:15	Photoproduction of J/Ψ in non-single-diffractive $p+p$ collisions and its application to constrain the gluon distribution	CAO Zehua
15:15-15:30	Two-dimensional distribution features of two-gluon correlations in pp collisions based on color glass condensate framework	ZHANG Donghai
15:30-15:45	WW gluon distributions and quark pair asymmetries in eA collisions	ZHAO Ye-yin
15:45-16:05	Tea Break	
B	Chair: ZHANG Yifei (Location: The Multi-function hall-02 on the third floor at Conference Center)	
Time	Title	Presenter
16:05-16:20	Elliptic flow from the photon polarization in a magnetized hot medium	WANG Xinyang
16:20-16:35	Energy dependence study of directed flow in Au+Au collisions using an improved coalescence in the AMPT model	NAYAK Kishora
16:35-16:50	Flow and non-flow response in Pb-Pb, p-Pb collisions at 5.02 TeV	WEI De-xian
16:50-17:05	Measurement of radial flow in RHIC	YANG Peng
17:05-17:20	Beam energy dependence of directed flow of deuteron in Au+Au collisions at RHIC	HE Xionghong
17:20-17:35	Anisotropic flow fluctuations of identified hadrons in Pb-Pb collisions with the ALICE detector	ZHU Ya
18:05	Dinner (Location: The cafeteria on the first floor at Conference Center)	

August 19, Parallel Session II, Afternoon, Day 3

A	Chair: MA Dazhu (Location: The Lecture hall-01 on the forth floor at Conference Center)	
Time	Title	Presenter
14:00-14:15	Magnetic Field Induced chiral magnetic current and polarization difference between Hyperons and Anti-hyperons	FENG Sheng-qin
14:15-14:30	Holographic study of CME	YIN Lei
14:30-14:45	Non-static properties of the chiral magnetic conductivity	HORVATH Miklos
14:45-15:00	Vorticity and Lambda spin polarization in heavy ion collisions	LI Hui
15:00-15:15	Mesonic Condensation under Rotation	ZHANG Hui
15:15-15:30	Determine the magnitude of the magnetic field at freeze-out	XU Kun
15:30-15:45	Rescattering effect on the measurement of K^* spin alignment in heavy-ion collisions with UrQMD mode	LI Ziyang
15:45-16:05	Tea Break	
B	Chair: LIN Shu (Location: The Lecture hall-01 on the forth floor at Conference Center)	
Time	Title	Presenter
16:05-16:20	Screening masses of neutral pion and sigma in hot and magnetized medium	YU Lang
16:20-16:35	Revisiting Chiral Kinetic Theory from High Density Effective Theory	SHUKLA Aradhya
16:35-16:50	Quantum kinetic theory and spin polarization for Dirac fermions	LIU Yuchen
16:50-17:05	Relaxation to CKW state in a transport calculation	WANG Zeyan
17:05-17:20	Quark Mass Effect and Transient Field Effect on Chiral Transport	YANG Lixin
17:20-17:35	Mess Spectra and Decay of Mesons under Strong External Magnetic Field	YANG Shuyun
17:35-17:50	Meson masses in external magnetic fields from Lattice QCD	WANG Xiao-dan
17:50-18:05	Dirac Eigenvalue spectrum of $N_f = 2 + 1$ QCD toward the chiral limit using HISQ fermions	ZHANG Yu
18:05	Dinner (Location: The cafeteria on the first floor at Conference Center)	

August 19, Parallel Session III, Afternoon, Day 3

A	Chair: CHEN Gang (Location: The VIP hall-02 on the forth floor at Conference Center)	
Time	Title	Presenter
14:00-14:15	Modelling the non-perturbative contributions to the complex heavy-quark potential	GUO Yun
14:15-14:30	Rare fluctuation effects of the dipole scattering amplitude at Next-to-Leading order in high energy and density QCD	XIANG Wenchang
14:30-14:45	Effect of magnetic field on quark energy loss from holography	ZHANG Zi-qiang
14:45-15:00	Gluon emission from heavy quarks in dense nuclear medium	ZHANG Le
15:00-15:15	The properties of heavy flavor hadrons from multi-body Dirac equations in vacuum and finite-temperature	ZHAO Jiaying
15:15-15:30	Calculation of anisotropic transport coefficients for a Boltzmann gas in strong magnetic field within a parton cascade	CHEN Zhengyu
15:30-15:45	In-medium effect on the thermodynamics and transport coefficients in van der Waals hadron resonance gas	ZHANG He-xia
15:45-16:05	Tea Break	
B	Chair: LUO Xiaofeng (Location: The VIP hall-02 on the forth floor at Conference Center)	
Time	Title	Presenter
16:05-16:20	Stochastic hydrodynamics and long time tails under the effect of multiplicative noise	CHAO Jingyi
16:20-16:35	Charged and Strange Particle Distributions in Central Al + Au Collisions at $\sqrt{s_{NN}} = 4.9$ GeV	Muhammad Usman Ashraf
16:35-16:50	The problem of overlapping formation times: In-medium virtual corrections in large N_f QED	IQBAL Shahin
16:50-17:05	Kinetic freeze-out properties with Tsallis Blast Wave from the RHIC Beam Energy Scan	CHEN Jia
17:05-17:20	Medium modifications of event shape in high-energy nuclear collisions	CHEN Shiyong
17:20-17:35	Universal scaling of conserved charge in the stochastic diffusion dynamics	WU Shanjin
17:35-17:50	Longitudinal dynamics in heavy ion collisions	NIE Maowu
17:50-18:05	The evolution from Non-equilibrium to equilibrium of 2D Ising model	LI Xiaobing
18:05	Dinner (Location: The cafeteria on the first floor at Conference Center)	

August 20, Plenary Sessions, Morning, Day 4

Plenary Session I	Chair: PENG Guangxiong (Location: The Multi-function hall on the third floor at Conference Center)	
Time	Title	Presenter
8:15-8:40	Chiral and pion condensation in rotating strongly interacting matter	HE Lianyi
8:40-9:05	Magnetic catalysis effect kills neutral pion superfluidity and vacuum superconductivity in strong magnetic field	CAO Gaoqing
9:05-9:30	Chiral phase transition from holographic QCD	LI Danning
9:30-9:55	Anomalous Magnetohydrodynamics with finite conductivity and chiral magnetic effect	PU Shi
9:55-10:20	Tea Break	
Plenary Session II	Chair: HOU Defu (Location: The Multi-function hall on the third floor at Conference Center)	
Time	Title	Presenter
10:20-10:45	Alpha-clustering effect in relativistic heavy-ion collisions by AMPT model	ZHANG Song
10:45-11:10	Multiphase transport model predictions of isobaric collisions with nuclear structure from density functional theory	LI Hanlin
11:10-11:35	Electric conductivity in a viscous quark-gluon plasma	JIANG Bingfeng
11:35-11:45	Awards for excellent academic reports for Postgraduate students	
11:45-12:00	Introduction to host institute for QPT 2021	
12:00	Lunch (Location: The cafeteria on the first floor at Conference Center)	