

**The 11th Workshop on QCD Phase Transition
and
Relativistic Heavy-ion Physics (QPT2015)**

Agenda of Scientific Program

August 17 - 19, 2015

@ the campus of HIT in Harbin, China

Co-organized by

Shanghai Institute of Applied Physics, Chinese Academy of Sciences
(SINAP-CAS)

Department of Physics, Harbin Institute of Technology (HIT)

Co-chairs

Yu-Gang Ma (SINAP) & Lei Huo (HIT)

Scientific Secretary

Jingbo Zhang (HIT)

Aug 17, 2015 / Monday Morning

08:30-08:50	Welcome Address Chair: 赵远 (Yuan Zhao, Director of Physics Department of HIT) 致辞: 马余刚 (Yu-Gang Ma, deputy-director of SINAP) 致辞: 哈工大领导 (one of Leaders of HIT)
Plenary Session I Chair: Yu-Gang Ma/马余刚 (SINAP) Location: Hall 214	
08:50-09:15	Zhangbu Xu /许长补 Brookhaven National Laboratory (BNL) STAR Physics Overview & Forward Upgrade
09:15-09:40	Shu-Su Shi/施梳苏 华中师范大学 (CCNU) Recent Flow Results from RHIC-STAR
09:40-10:05	Yi-Fei Zhang/张一飞 中国科学技术大学 (USTC) Heavy Flavor Production in Heavy-ion Collisions
10:05-10:30	Jian Deng/邓建 山东大学 (SDU) Exploring the QCD Phase Diagram for a Signature of the Critical Point
10:30-10:50	Photo & Tea Break
Plenary Session II Chair: Xin-Nian Wang/王新年 (CCNU & LBNL) Location: Hall 214	
10:50-11:15	Jin-Hui Chen/陈金辉 上海应用物理研究所 (SINAP) HENPIC Talk – Lifetime Measurement of Hyper-nucleus at RHIC-STAR
11:15-11:40	Heng-Tong Ding/丁亨通 华中师范大学 (CCNU) The QCD equation of state at nonzero temperature and density from lattice QCD
11:40-12:05	Jun Xu/徐骏 上海应用物理研究所 (SINAP) v₂ Splitting of Particles and Antiparticles at RHIC-BES
12:20-13:40	Lunch Location: 3rd Floor Hall, Xi-Yuan Hotel 西苑宾馆三楼多功能厅

Aug 17, 2015 / Monday Afternoon

Parallel Session A-1 (Room 326) Spectra & flow		Parallel Session B-1 (Room 330) HBT Correlation	
Chair: Ko Che-Ming/柯治明 (TAMU) Han-Zhong Zhang/张汉中 (CCNU)		Chair: Chun-Bin Yang/杨纯斌 (CCNU) Zhong-Bao Yin/殷中宝 (CCNU)	
14:00-14:20	Nuclei production and flow in relativistic heavy ion collisions	Song Zhang/张松 上海应用物理研究所(SINAP) 相对论重离子碰撞中HBT关联的能量依赖性	
14:20-14:40	Zhen Zhang/张振 上海交通大学 (SJTU) Extened skyrme interactions for neutron stars	Yan-Yu Ren/任延宇 哈尔滨工业大学 (HIT) Fluctuations of the pion HBT correlation and collective flow for the evolving SPH source	
14:40-15:00	Rui-Qin Wang/王瑞芹 曲阜师范大学(QFNU) Yield correlations and pT dependence of charmed hadrons in Pb+Pb collisions at 2.76 TeV	Yong Zhang/张勇 大连理工大学 (DLUT) Back-to-back correlations of boson-antiboson pairs for hydrodynamic sources	
15:00-15:20	Zhi-Jin Jiang/姜志进 上海理工大学 (USST) A description of pseudo-rapidity distributions in nucleus and particle collisions at high energies	Jing Yang/杨婧 大连理工大学 (DLUT) Pion interferometry and elliptic flow in the viscous granular source model in relativistic heavy ion collisions	
15:20-15:40	Xiang-Rong Zhu/朱祥荣 北京大学 (PKU) Correlations in pp and p+Pb collisions at the LHC energies	Hao Liu/刘好 高能物理研究所 (IHEP) Survival of charged rho condensation	
15:40-16:00	Qi-Ye Shou/寿齐焯 华中师范大学 (CCNU) Parameterization of Deformed Nuclei for Glauber Modeling in Relativistic Heavy Ion Collisions	Jia-Xing Zhao/赵佳星 清华大学 (TSINGHUA) 重味素强子的研究	
16:00-16:20	Tea Break		

	Parallel Session A-2 (Room 326) Flow Chair: Fu-Ming Liu/刘复明 (CCNU) Song Zhang/张松 (SINAP)	Parallel Session B-2 (Room 330) EOS Chair: Zhong-Zhou Ren/任中洲 (NJU) De-Qing Fang/方德清 (SINAP)
16:20-16:40	Dai-Mei Zhou/周代梅 华中师范大学(CCNU) The parton and hadron cascade model, PACIAE	Bum-Hoon Lee 西江大学 (SOGANG) Holographic Hadrons in dense media
16:40-17:00	Jian-Li Liu/刘剑利 哈尔滨工业大学 (HIT) Temperature independent shear viscosity to entropy density ratio in AMPT	Si-Wen Li/李斯文 中国科学技术大学 (USTC) From Holography towards real-world nuclear matter
17:00-17:20	Xu Sun/孙旭 哈尔滨工业大学 (HIT) Elliptic and Triangular Flow of Identified Particles from the AMPT Model at RHIC Energies	Huan Chen/陈欢 中国地质大学 (CUG) 致密夸克物质与致密星
17:20-17:40	Peng Yang/杨鹏 华中师范大学 (CCNU) The comparison of elliptic flow obtained by various of methods	He Liu/刘鹤 上海应用物理研究所 (SINAP) Quark matter symmetry energy and isospin-dependence of QCD phase structure from NJL model
17:40-18:00	Yan Lu/吕葵 武汉科技大学 (WUST) Some insights from systematic study of anisotropic flow	Zhao Zhang/张昭 华北电力大学 (NCEPU) Dual condensates at finite isospin chemical potential
18:00-18:20	Chun-Jian Zhang/张春健 上海应物所(SINAP) Investigating the scaling of higher order harmonic flows in relativistic heavy ion collisions	Kai-Jia Sun/孙开佳 上海交通大学 (SJTU) 相对论重离子碰撞中的同位旋效应及相变
18:30-20:00	Dinner Location: 3rd Floor Hall, Xi-Yuan Hotel 西苑宾馆三楼多功能厅	

Aug 18, 2015 / Tuesday Morning

Plenary Session III

Chair: Yu-Xin Liu/刘玉鑫 (PKU) Location: **Hall 214**

08:25-08:50 Dai-Cui Zhou/周代翠 华中师范大学 (CCNU)
Overview From the ALICE Experiment

08:50-09:15 Ya-Xian Mao/毛亚显 华中师范大学 (CCNU)
Jet Measurements with CMS and ALICE at LHC

09:15-09:40 Ze-Bo Tang/唐泽波 中国科学技术大学 (USTC)
Recent Quarkonium Measurement at STAR

09:40-10:05 Neha Shah 上海应用物理研究所 (SINAP)
Measurement of Lambda-Lambda Correlation Function

10:05-10:25 **Tea Break**

Plenary Session IV

Chair: Mei Huang/黄梅 (IHEP) Location: **Hall 214**

10:25-10:50 Che-Ming Ko/柯治明 Texas A&M University (TAMU)
Medium Effect on Jet Fragmentation via Shower Parton Recombination

10:50-11:15 Guang-You Qin/秦广友 华中师范大学 (CNCU)
Jets and Open Heavy Flavors in Heavy-ion Collisions

11:15-11:40 Ben-Wei Zhang/张本威 华中师范大学 (CCNU)
Jets Escaping From Quark Soup

11:40-12:05 He Min/何敏 南京理工大学 (NUST)
Transport Properties of Heavy Quarks in Dense Medium

12:05-12:30 Zhi-Gang Xiao/肖志刚 清华大学 (TSINGHUA)
Nuclear Equation of State at High Densities and the CEE

12:40-13:50 **Lunch**
Location: **3rd Floor Hall, Xi-Yuan Hotel**
西苑宾馆三楼多功能厅

Aug 18, 2015 / Tuesday Afternoon

	Parallel Session A-1 (Room 326) Jet Chair: Jingbo Zhang/张景波 (HIT) Li-Lin Zhu/朱励霖 (SCU)	Parallel Session A-2 (Room 330) Correlations & fluctuations Chair: Sheng-Qin Feng/冯笙琴 (CTGU) Hong Mao/毛鸿 (HZNU)
14:00-14:20	Wei-Tian Deng/邓维天 华中科技大学(HUST) Medium-induced Jet energy loss and flavor conversion in e+A	Chun-Bin Yang/杨纯斌 华中师范大学 (CCNU) 高能核-核碰撞中净K介子分布
14:20-14:40	Le Zhang/张乐 华中师范大学 (CCNU) Jet-induced photon radiation via longitudinal and transverse scattering	Jun Song/宋军 济宁学院 (JNU) Correlations and fluctuations of identified baryons in quark combination models
14:40-15:00	Zhan Gao/高湛 华中师范大学 (CCNU) Investigation of the redistribution of lost energy from jets with AMPT model	Mei-Juan Wang/王美娟 中国地质大学 (CUG) Rapidity bin correlation pattern from a multi-phase transport model
15:00-15:20	Qi Chen/陈奇 华中师范大学 (CCNU) The evolution of fragmentation function at finite temperature	Hao-Jie Xu/徐浩杰 北京大学 (PKU) Event by event multiplicity fluctuations in the statistical model
15:20-15:40	Ya-Yun He/贺亚运 华中师范大学 (CCNU) Linear Boltzmann Transport for Jet Propagation in the Quark-Gluon Plasma: Medium-induced Gluon Radiations and Medium Recoil	Li-Jia Jiang/姜丽佳 北京大学 (PKU) Correlated Fluctuations near the QCD critical point
15:40-16:00	Zi-Qiang Zhang/张自强 (CUG) Heavy quark potential from a deformed AdS₅ model	Jing Chen/陈晶 北京大学 (PKU) Quark number fluctuations at finite temperature and finite chemical potential
16:00-16:20	Tea Break	

	Parallel Session B-1 (Room 326) High Pt Chair: Xiang-Lei Zhu/朱相雷 (TSINGHUA) Jian-Li Liu/刘剑利 (HIT)	Parallel Session B-2 (Room 330) Chiral Effects Chair: Feng-Lan Shao/邵凤兰 (QFNU) Jie Zhao/赵杰 (CCNU)
16:20-16:40	Zhong-Bao Yin/殷中宝 华中师大 (CCNU) LHC能区奇异粒子产生的实验研究	Hong Mao/毛鸿 杭州师范大学 (HZNU) Nontopological Soliton in the Polyakov Quark Meson Model
16:40-17:00	Hua Pei/裴骅 华中师范大学 (CCNU) High pT π^0 production in ALICE at LHC	Ling-Xiao Wang/王凌霄 清华大学(TSINGHUA) Chiral Magnetic Effect and the Structure of Compact Star
17:00-17:20	Zhu-Man Zhang/张祖满 华中师大 (CCNU) Production of Muons from Heavy-Flavour Hadron Decays in Pb-Pb Collisions at with ALICE at the LHC	Sheng-Tai Li/李胜泰 华中师范大学 (CCNU) Universal behavior of chiral phase transition in (2+1) flavor QCD
17:20-17:40	Sheng-Qin Feng/冯笙琴 三峡大学 (CTGU) Cold nuclear matter effects on the color singlet J/ψ production in p(d)-Au collisions at energies of RHIC and LHC	Lang Yu/余浪 高能物理研究所 (IHEP) (Inverse) Magnetic catalysis and chirality imbalance
17:40-18:00	Ya-Ping Wang/王亚平 华中师范大学(CCNU) Upgrade of the ALICE Inner Tracking System	Bo Feng/冯波 华中科技大学 (HUST) (Inverse) Magnetic Catalysis in Bose-Einstein Condensation
18:00-18:20	Xiao-Wen Ren/任小文 华中师范大学(CCNU) Pion0-hadron correlation and isolated photon-hadron correlation with EMCAL in ALICE	Fei Gao/高飞 北京大学 (PKU) Phase transitions and thermal properties of QCD via the Dyson-Schwinger equation approach
18:30-20:00	Dinner Location: 3rd Floor Hall, Xi-Yuan Hotel 西苑宾馆三楼多功能厅	

Aug 19, 2015 / Wednesday Morning

Plenary Session V

Chair: Lei Huo/霍雷 (HIT) Location: **Hall 214**

08:25-08:50

Guo-Liang Ma/马国亮 上海应用物理研究所 (SINAP)

Flow in p+A Collisions from Parton Cascade

08:50-09:15

Jianhua Gao /高建华 山东大学威海分校 (SDU/Weihai)

Chiral Kinetic Theory For Quark Matter

09:15-09:40

Long-Gang Pang/庞龙刚 Frankfurt Institute for Advanced Studies (FIAS)

Longitudinal Fluctuations and Event Plane De-correlation at RHIC and LHC

09:40-10:05

Lie-Wen Chen /陈列文 上海交通大学 (SJTU)

Symmetry Energy in Quark Matter

10:05-10:25

Tea Break

Plenary Session VI

Chair: Qun Wang/王群 (USTC) Location: **Hall 214**

10:25-10:50

Wei-Ning Zhang/张卫宁 哈尔滨工业大学 & 大连理工大学 (HIT & DLUT)

Effect of Pion Bose-Einstein Condensation on Interferometry Measurements in Ultra-Relativistic Heavy Ion Collisions

10:50-11:15

Zhe Xu/徐喆 清华大学 (TSINGHUA)

Glue Condensate at High Temperature

11:15-11:40

Qing-Hua Xu/徐庆华 山东大学 (SDU)

iTPC Upgrade at RHIC-STAR

11:40-12:05

Daniel Cebra, University of California, Davis (UC Davis)

A Fixed Target Program for STAR

12:05-13:00

Adjourn & Lunch

Location: **3rd Floor Hall, Xi-Yuan Hotel**

西苑宾馆三楼多功能厅