

Workshop on QCD Phase Structure and Thermal Probes

会议通知

会议名称：Workshop on QCD Phase Structure and Thermal Probes

会议时间：2018.6.28 – 2018.6.30

会议地点：翡翠湖迎宾馆，安徽合肥

会议由中国科学技术大学近代物理系、基本粒子和相互作用协同创新中心、核探测与核电子学国家重点实验室主办。

会议旨在集中讨论 QCD 相结构、QGP 物质性质及热化探针等前沿问题。为高能核物理领域的年轻学者提供互相探讨和交流的机会。同时也希望各位专家为我们 973 课题提出宝贵意见和建议。

会议不收取注册费，食宿交通费用自理。

Announcement

Welcome to the workshop on "QCD Phase Structure and Thermal Probes in Heavy Ion Collisions"

Date: June 28 - 30, 2018

Location: Jade Lake Hotel, Hefei, China.

The workshop focuses on exploring the phases of QCD matter and its properties and tries to provide a good chance for theoretical and experimental experts in relative fields meeting together. The workshop plans to have discussions on the status and near future opportunities to search for the QCD critical point / 1st order phase transitions and to understand the QGP matter properties via thermal probes.

A short 973 sub-project pre-review meeting will be held after the workshop. The status and progress of the sub-project will be reported.

Link: <http://cicpi.ustc.edu.cn/indico/conferenceDisplay.py?ovw=True&confId=1253>

Contact person: Yifei Zhang Tel: 18326607002 Email: ephy@ustc.edu.cn

Scientific Program

June 29, 2018 (Friday)

Morning Session: QCD Phase Structure and Critical Point		
Chair: Qun Wang (USTC)		
8:30-9:00	Hengtong DING (CCNU)	QCD phase structure from lattice QCD
9:00-9:30	Xiaofeng LUO (CCNU)	Exploring the QCD phase structure with fluctuations of conserved quantities in HIC
9:30-10:00	Xuguang HUANG (FDU)	QCD phase structure under EM field and rotation
10:00-10:30	Group photo and coffee break	
Chair: Jie Zhao (Pudue/HUZU)		
10:30-11:00	Haojie XU (HUZU)	Baseline study for net-electric charge fluctuations
11:00-11:30	Kun XU (IHEP)	QCD critical point and finite size effect
11:30-12:00	Shu HE (CCNU)	Transport model studies on the proton cumulants in Au+Au Collisions
12:00-14:00	Lunch break	
Afternoon Session: QCD Properties and Thermal Probes		
Chair: Yaping WANG (CCNU)		
14:00-14:30	Huichao SONG (PKU)	Deep learning and its applications
14:30-15:00	Wangmei ZHA (USTC)	Tale of coherent photon products: from UPC to HHIC
15:00-15:30	Xiaoming XU (SHU)	Meson-Meson scattering in nuclear matter
15:30-15:50	Coffee Break	
Chair: Zebo TANG (USTC)		
15:50-16:20	Shusu SHI (CCNU)	BES flow
16:20-16:50	Jian DENG (SDU)	Off-equilibrium infrared structure of self-interacting scalar fields
16:50-17:20	Hua PEI (CCNU)	Direct photon + jets and medium in LHC
17:20-18:00	The scene of the Jade Lake	
18:00	Workshop dinner	

June 30, 2018 (Saturday)

Morning Session: 973 Sub-project Pre-review		
Chair: Huichao SONG (PKU)		
8:30-9:00	Yifei ZHANG (USTC)	A report of the 973 sub-project
9:00-9:30	Jianhua GAO (SDU)	Disentangling covariant Wigner functions for chiral fermions
9:30-10:00	Yuanfang WU (CCNU)	How to locate the QCD phase boundary from scanning observable in phase plane
10:00-10:20	Coffee Break	
10:20-10:50	Chen WU (SINAP)	Black holes perturbations and quasinormal modes
10:50-12:00	Discussion	
12:00-14:00	Lunch and Closure	

Accommodation and Transportation

翡翠湖迎宾馆坐落在翡翠湖畔，旁边就是翡翠湖景区，风景宜人。

会场在翡翠湖迎宾馆 6 号楼二楼 6+8 会议厅。

住宿在翡翠湖迎宾馆 6 号楼，但早餐在 3 号楼。

不同楼之间有摆渡车，走路也不远。

翡翠湖迎宾馆地址：合肥市蜀山区容成路 1 号。

距合肥南站 12 公里，打车 30 元以内。

距合肥新桥机场约 40 公里，打车约 110 元。

百度地图：<https://j.map.baidu.com/nInLP>