



4TH CBM - China Workshop

Yichang, China
April 12 – 14, 2019

[<https://indico.ihep.ac.cn/event/9269/overview>]

Sponsored by the College of Physical Science and Technology
Central China Normal University



Scientific Program

(Yichang International Hotel, 宜昌国际大酒店)

Friday, April 12

9:00 – 12:00 Registration at the hotel looby

Friday, April 12

I. MPD Session

Chair: *Fuqiang Wang*

14:00 – 17:30 MPD@NICA Discussions

18:00 – 20:00 *Workshop Reception*

II. CBM Session

Saturday, April 13

Chair: *Feng Liu*

8:45 – 9:00 ***Welcome***
Vice President of CTGU
Peter Senger/Nu Xu (GSI/CCNU/IMP)

9:00 – 9:30 Norbert Herrmann (Heidelberg University)
“Status of CBM at FAIR”

9:30 – 10:15 Jörg Aichelin (Subatech)
“Modern Transport Codes and the High Density EOS”

10:15 – 11:00 Pengfei Zhuang (THU)
“Chiral Phase Transitions in Equilibrium and Out-of-equilibrium States”

11:00 – 11:20 *Coffee Break*

11:20 – 11:50 Lie-Wen Chen (SJTU)
“The Equation of State of Dense Nuclear Matter in the Multimessenger Era”

11:50 – 12:20 Xiaofeng Luo (CCNU)
“Criticality at BES-II and CBM”

12:20 – 14:00 *Lunch Break*

Chair: Peter Senger

- 14:00 – 14:30 Shusu Shi (CCNU)
“Collectivity and CBM”
- 14:30 – 14:50 Toshihiro Nonaka (CCNU)
“C6 from Au+Au Collisions”
- 14:50 – 15:10 Yi Wang (THU)
“Status on CBM MRPC I”
- 15:10 – 15:30 Yongjie Sun (USTC)
“Status on CBM MRPC II”
- 15:30 – 16:00 *Coffee Break*
- 16:00 – 16:30 Jinfeng Liao (IU/CCNU/CTGU)
“Vorticity and Magnetic Fields in Collisions at BES Energies”
- 16:30 – 17:00 Mei Huang (IHEP)
“QCD Critical End Point and Finite Size Effect”
- 17:00 – 17:30 Defu Hou (CCNU)
“On Phase Structure of Dense Quark Matter with Magnetic Field”
- 18:00 – 20:00 *Workshop Dinner*

Sunday, April 14

Chair: Shengqin Feng

- 9:00 – 9:45 Isaak Vidana (INFN)
“Hyperons: the Strange Ingredients of the Nuclear Equation of State”
- 9:45 – 10:30 Take Saito (RIKEN)
“Hypernuclei Experiments”
- 10:30 – 11:00 Peter Senger (GSI/CCNU)
“Astrophysics and CBM”
- 11:00 – 11:20 *Coffee Break*
- 11:20 – 11:50 Volker Friese (GSI)
“Status on CBM Software”
- 11:50 – 12:20 Iouri Vassiliev (GSI)
“Status on Particle Reconstruction at CBM”
- 12:20 – 14:00 *Lunch Break*
- Chair: Nu Xu*
- 14:00 – 14:30 Xionghong He (IMP)
“Deuteron v_1 from STAR BES-I”
- 14:30 – 15:00 Lei Zhao (USTC)
“High Precision Time Measurement Electronics Research Progress in USTC”
- 15:00 – 15:20 Dingwei Zhang (CCNU)
“Energy Dependence of Triton Production and Neutron Density Fluctuations at RHIC”

15:20 – 16:00 *Coffee Break*

Chair: *Xiaofeng Luo*

16:00 – 16:20 Chao Zhang (CCNU)
“Beam Energy Dependence of the Squeeze-out Effect on the Directed and Elliptic Flow in Au+Au Collisions in High Baryon Density Region”

16:20 – 16:40 Yu Zhang (CCNU)
“Energy Dependence of Cumulants of Net-Proton, Net-Kaon and Net-Charge Multiplicity Distributions in Au+Au Collisions within JAM Model”

16:40 – 17:00 ***Closing Remarks***
Peter Senger (GSI/CCNU)

18:00 – 20:00 *Dinner*

End of the Workshop

Timetable:

	Friday, 4/12	Saturday, 4/13	Sunday, 4/14
9:00 – 10:30	Registration	CBM	CBM
10:30 – 11:00	Tea Break		
11:00 – 12:30	Registration	CBM	CBM
12:30 – 14:00	Lunch Break		
14:00 – 15:30	MPD	CBM	CBM
15:30 – 16:00	Tea Break		
16:00 – 17:30	MPD	CBM	CBM

Members of the Scientific Committee/LOC:

- 1) Dr. S.Q. Feng (Three Gorges U.) [fengsq@ctgu.edu.cn]
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