



# 3<sup>RD</sup> CBM - China Workshop

Yichang, China

April 16 – 18, 2018

[<https://indico.cern.ch/event/689846/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)

### Sunday, April 15

14:00 – 17:30 **973-project Session**

16:00 – 19:00 Workshop Registration at the hotel lobby

### Monday, April 16

8:00 – 8:45 Registration at the hotel lobby

*Chair:* *Feng Liu*

8:45 – 9:00 ***Welcome***  
Peter Senger/Nu Xu (GSI/CCNU)

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

9:30 – 10:00 ***“HADES Physics Program at FAIR”***  
Joachim Stroth (Goethe University Frankfurt/GSI)

10:00 – 10:30 ***“A Fixed-Target Experiment at CSR: CEE”***  
Zhigang Xiao (THU)

10:30 – 11:00 *Coffee Break*

11:00 – 11:30 ***“Exploring the QCD Phase Diagram with Fluctuation Observables”***  
Volodymyr Vovchenko (Goethe University Frankfurt)

11:30 – 12:00 ***“Higher Moments – Search for the QCD CP”***  
Xiaofeng Luo (CCNU)

12:00 – 12:30 ***“Light Nuclei Productions in RHIC BES-I”***  
Ning Yu (XinYang Normal College)

12:30 – 14:00 *Lunch Break*

*Chair:* *Joachim Stroth*

14:00 – 14:30 ***“CBM Physics Program”***  
Volker Friese (GSI)

- 14:30 – 15:00      ***“Strongly Interacting Matter under Rotation”***  
Jinfeng Liao (Indiana University)
- 15:00 – 15:30      ***“Chiral Symmetry Restoration versus Deconfinement  
in Heavy-ion Collisions at High Baryon Density”***  
Pierre Moreau (Goethe University Frankfurt)
- 15:30 – 16:00      *Coffee Break*
- 16:00 – 16:30      ***“Collectivity from RHIC BES-I”***  
Shusu Shi (CCNU)
- 16:30 – 17:00      ***“STAR iTPC Upgrade and Physics Program at BES-II”***  
Chi Yang (ShanDong University)
- 18:30 – 20:00      *Reception*

## **Tuesday, April 17**

*Chair:*                      *Shengqin Feng*

- 9:00 – 9:45              ***“Neutron Star Mergers and the High-density Equation of State”***  
Andreas Bauswein (Heidelberg Institute for Theory Studies)
- 9:45 – 10:30          ***“Neutron Star Phenomenology from QCD Perspectives”***  
Toru Kojo (CCNU)
- 10:30 – 11:00      *Coffee Break*
- 11:00 – 11:30          ***“The High-density Equation of State from Laboratory Experiments”***  
Peter Senger (GSI/CCNU)
- 11:30 – 12:00          ***“Dense Matter EOS and Neutron Star Structure”***  
Ang Li (Xiamen University)
- 12:00 – 14:00      *Lunch Break*
- Chair:*                      *Norbert Hermann*
- 14:00 – 14:30          ***“Dielectron Results from STAR BES-I”***  
Xiaolong Chen (USTC)
- 14:30 – 15:00          ***“Leptons at the CBM Experiment”***  
Joachim Stroth (Goethe University Frankfurt/GSI)
- 15:00 – 15:30          ***“Significantly Strangeness Enhancement at CBM”***  
Pengfei Zhuang (THU)
- 15:30 – 16:00      *Coffee Break*
- 16:30 – 17:30          **Discussions:** Activities in CBM
- 18:00 – 20:00      *Workshop Dinner*

## Wednesday, April 18

Chair: Nu Xu

9:00 – 9:30 **“proton-Omega Correlations at STAR”**  
Jinhui Chen (SINAP)

9:30 – 10:00 **“Hyperon Production at SIS18”**  
Yapeng Zhang (IMP)

10:00 – 10:30 *Coffee Break*

10:30 – 11:00 **“CBM MRPC II”**  
Yongjie Sun (USTC)

11:00 – 11:30 **“Status of Readout Electronics”**  
Dong Wang (CCNU)

11:30 – 12:00 **Closing Remarks**  
Peter Senger (GSI/CCNU)

### End of the Workshop

12:00 – 13:00 *Lunch*

#### Timetable:

	Monday, 04/16	Tuesday, 04/17	Wednesday, 04/18
9:00 – 10:30	<b>I. Introduction</b>	<b>IV. EOS, Stars, Flow</b>	<b>VII. High Moments</b>
10:30 – 11:00	<b>Tea Break</b>		
11:00 – 12:30	<b>II. CBM Status</b>	<b>V. Leptons</b>	<b>VIII. Closing Remarks</b>
12:30 – 14:00	<b>Lunch Break</b>		
14:00 – 15:30	<b>III. STAR FXT</b>	<b>VI. Student Talks</b>	<b>973 Session (Chinese)</b>
15:30 – 16:00	<b>Tea Break</b>		
16:00 – 17:30	<b>Discussions</b>		

#### Members of the Scientific Committee/LOC:

- 1) Dr. Zhigang Xiao (Tsinghua U.) [[xiaozg@tsinghua.edu.cn](mailto:xiaozg@tsinghua.edu.cn)]
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