

# 201505 FRIB China CUSTIPEN Collaboration Meeting Agenda

## Day 0: Wednesday, 27 May 2015

18:00-20:00 Welcome Reception at Quality Inn University (3121 E Grand River Ave, Lansing)

## Day 1: Thursday, 28 May 2015

### 8:30 Welcome and Agenda (NSCL, Lecture Hall) **Gelbke**

08:30 Welcome

University representative, Thomas Glasmacher, Phil Duxbury (MSU)

08:45 Organizational Remarks

Pawel Danielewicz (MSU)

09:00 FRIB Scope and Status

Thomas Glasmacher (MSU)

09:30 FRIB Theory Center

Filomena Nunes (MSU)

09:45 Goals of the Workshop

Witek Nazarewicz (MSU) and Yanlin Ye (PKU)

10:00 *Break*

### 10:30 Ongoing Collaborative Projects (NSCL, Lecture Hall) **Danielewicz**

10:30 CUSTIPEN, US Perspective

Bao-An Li (TAMU Commerce)

10:45 CUSTIPEN, China Perspective

Furong Xu (PKU)

11:00 High-Energy Nuclear Physics in China & Collaboration with RHIC

Yugang Ma (SINAP-CAS)

11:30 Joint U.S.-China Lattice QCD Efforts

Yi-Bo Yang (U Kentucky)

12:00 DFT with Continuum

Junchen Pei (PKU)

12:20 *Lunch*

### 13:40 Possible Collaborative Projects: Experiment (NSCL, Lecture Hall) **Mittig**

13:40 Instrumentation at FRIB and HIAF

XiaoDong Tang (IMP-CAS)

14:05 FRIB Experimental Equipment for Next Decade

Michael Smith (ORNL)

14:30 Fundamental Interactions

Zhengtian Lu (ANL)

14:55 High Rigidity Spectrometer

Remco Zegers (MSU)

15:20 Nuclear Astrophysics: Jin Ping Facility

Zhihong Li (CIAE)

15:45 Low-Energy Reaction Experiments

Huimin Jia (CIAE)

16:10 *Break*

16:40 Facility Developments, Including Reacceleration

Georg Bollen (MSU)

17:20 External Target Facility at CSR

Zhiyu Sun (IMP-CAS)

17:50 Mass Measurements and Related Physics

Yuhu Zhang (IMP-CAS)

## Day 2: Friday, 29 May 2015

### 08:30 Science Reviews 1 (NSCL, Lecture Hall) Tsang

08:30 Heavy-ion Research Facility in Lanzhou and Its Science, HIAF Project  
Xiaohong Zhou (IMP-CAS)

09:10 RIB Physics Research in China  
Yanlin Ye (PKU)

09:40 Equation of State  
Zhigang Xiao (Tsinghua)

10:10 Break

### 10:40 Possible Collaborative Projects: Theory (NSCL, Lecture Hall) Horowitz

10:40 Clustering in Exotic Nuclei  
Zhongzhou Ren (Nanjing U)

11:00 Nuclear Reactions  
Danyang Pang (Beihang U)

11:20 High Performance Computing  
George Fann (ORNL)

11:40 Education  
Morten Hjorth-Jensen (MSU)

12:00 Lunch

### 13:00 Science Reviews 2 (NSCL, Lecture Hall) Yuan

13:00 Hadron Structure from Lattice QCD  
Jianwei Qiu (BNL)

13:30 Nuclear Structure from Lattice QCD  
Martin Savage (INT)

14:00 Ab-initio Nuclear Structure Theory  
Scott Bogner (MSU)

### 14:30 FRIB-Asia Collaborative Scheme: What Makes Sense? (NSCL, Lecture Rm) Thoennessen

14:30 DOE Perspective  
Tim Hallman (DOE)

15:00 China Perspective  
Yanlin Ye (PKU)

15:30 Break

### 16:00-18:00 Parallel Working Groups

Nuclear Structure/Direct Reaction Experiments (NSCL, Lecture Hall)

Remco Zegers (MSU), Chengjian Lin (CAS), Deqing Fang (SINAP-CAS), Yanlin Ye (PKU), Shuo Wang (SDU),  
Danyang Pan (BHU)...

Facilities (NSCL, Rm. 2129)

Guoqing Xiao (IMP-CAS), Georg Bollen (MSU), Jie Wei (MSU), Xiaohong Zhou, Jiansong Wang (IMP-CAS)...

Nuclear Astrophysics Experiments (NSCL, Rm. 3129)

Michael Smith (ORNL), Zhihong Li (CIAE), XiaoDong Tan (IMP-CAS), Jianjun He (IMP-CAS)...

Fundamental Interactions Experiments (NSCL, Rm. 4129)

Zhengtian Lu (ANL), Jaideep Singh (MSU), Yuhu Zhang (IMP-CAS), Meng Wang (IMP-CAS)...

Nuclear Structure Theory (NSCL, Rm. 1221B)

Calvin Johnson (San Diego State), Furong Xu (PKU), Junchen Pei (PKU), Zhongzhou Ren (Nanjing U)...

Central Nuclear Reactions/EOS (NSCL, Rm. 1221A)

Betty Tsang (MSU), Yugang Ma (SINAP-CAS), Chuck Horowitz (Indiana), Fengshou Zhang (Beijing Normal  
U), Bao-An Li (TAMU-Commerce), Yingxun Zhang (CIAE)

QCD Theory (BPS, Rm. 1400)

Martin Savage (INT), C.-P. Yuan (MSU)

18:30 Hosted Dinner at Kellogg Center Hotel & Conference Center (219 S. Harrison, East Lansing)

## **Day 3: Saturday, 30 May 30 2015**

### **9:00 Working Groups Summary 1 (NSCL, Lecture Hall) Ye**

- Nuclear Structure/Direct Reactions Experiments
- Facilities
- Nuclear Astrophysics Experiments
- Fundamental Interactions Experiments

*11:00 Break*

### **11:30 Working Groups Summary 2 (NSCL, Lecture Hall) Xu**

- Fundamental Interactions Experiments
- Nuclear Structure Theory
- QCD Theory
- Central Nuclear Reactions/EOS

*12:30 Lunch*

### **14:00 Panel Discussion: What Makes Sense? (NSCL, Lecture Hall) Nazarewicz**

Brad Sherrill (MSU), Yuhu Zhang (IMP-CAS), Xiaodong Tang (IMP-CAS), Remco Zegers (MSU)

**Closing Hsu**