

2nd China-US-RIB Collaboration Meeting

on Physics of Nuclei and Hadrons

📅 Oct 16 - 18, 2017 📍 Peking University, Beijing, China

(CUSTIPEN-Beijing Workshop on RIB Science)

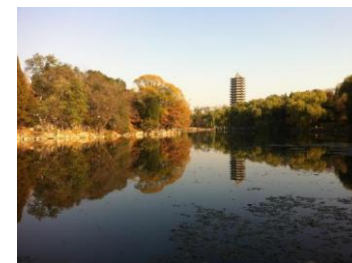
Purpose and Organizations of this Workshop



北京大学
PEKING UNIVERSITY

School of Physics

State Key Laboratory of Nuclear Physics and Technology



Committee Members

► US-China-RIB Task Force

U.S. Members:

Georg Bollen

Michigan State University

Umesh Garg

University of Notre Dame

Chuck Horowitz

Indiana University

Calvin Johnson

University of California, San Diego

Huey-Wen Lin

Michigan State University

Witold Nazarewicz

Co-Chair, Michigan State University

Brad Sherrill

Michigan State University

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Oak Ridge National Laboratory

Betty Tsang

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Pawel Danielewicz

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Argonne National Laboratory

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China Members:

Lie-Wen Chen

Shanghai Jiao Tong University

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Co-Chair, Institute of Modern Physics, Chinese Academy of Sciences

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Furong Xu

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Fengshou Zhang

Beijing Normal University

Shangui Zhou

Institute of Modern Physics, Chinese Academy of Sciences

The 1st China-US-RIB meeting, 2015.5, MSU



<http://custipen.pku.edu.cn/meeting/1st-frib-china-workshop.html>

Resolutions of the first workshop

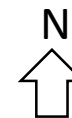
- We endorse the establishment of an FRIB-China Task Force ☒ 
Produce a proposal to DOE/China funding agencies for CUSEIPEN
- We encourage U.S. and Chinese science and funding agencies to include nuclear physics opportunities related to FRIB in the US/PRC joint committee on high energy physics
- We recommend the establishment of a prestigious postdoctoral fellowship based on the newly established government postdoctoral fellowship program in China. Should have a name such as **China-FRIB Postdoctoral Fellow**. (FRIB-CSC fellow program has been launched in 2016.) ☒ 
- We recommend that the Task Force starts planning for regular topical workshops on joint initiatives. This activity will be critical for educating our communities on the needs and opportunities. (5 CUSTIPEN workshops) ☒ 
- We recommend that the Chinese community joins the **TALENT** initiative. ☒ 
- We propose that the second FRIB-China workshop on Physics of Nuclei and Hadrons takes place in late 2016. ☒ 

Purpose of this workshop

- Following the spirit of the first China-US-RIB meeting held at Michigan State University in May 2015, the main purpose of this meeting is to bring together experimentalists and theorists from China and the U.S. with interests in the physics of radioactive nuclei and in building bridges between nuclear and hadronic physics. We wish to continue exploring various forms of collaborative endeavors between China and the U.S. in experiments and theories relevant to the science programs to be carried out at the Facility for Rare Isotope Beams (FRIB) in the US and the High Intensity Accelerator Facility (HIAF) in China. Recognizing that quantum chromodynamics provides intellectual foundations for nuclear physics, we also wish to further explore the connections between low- and medium-energy physics.
- This will be a 3-day collaboration meeting, capitalizing on the outcomes of the May 2015 meeting at MSU. The first day will be devoted to facility, Working Group, CUSTIPEN, and FRIB-CSC Fellowship reports. During the second day, working groups will discuss on-going and planned collaborations and produce recommendations. During the concluding day, Working Groups will present their findings and recommendations, and this will be followed by an open discussion, resulting in a set of adopted recommendations.

Parallel sessions (Tuesday , 9:30AM to 3 PM)

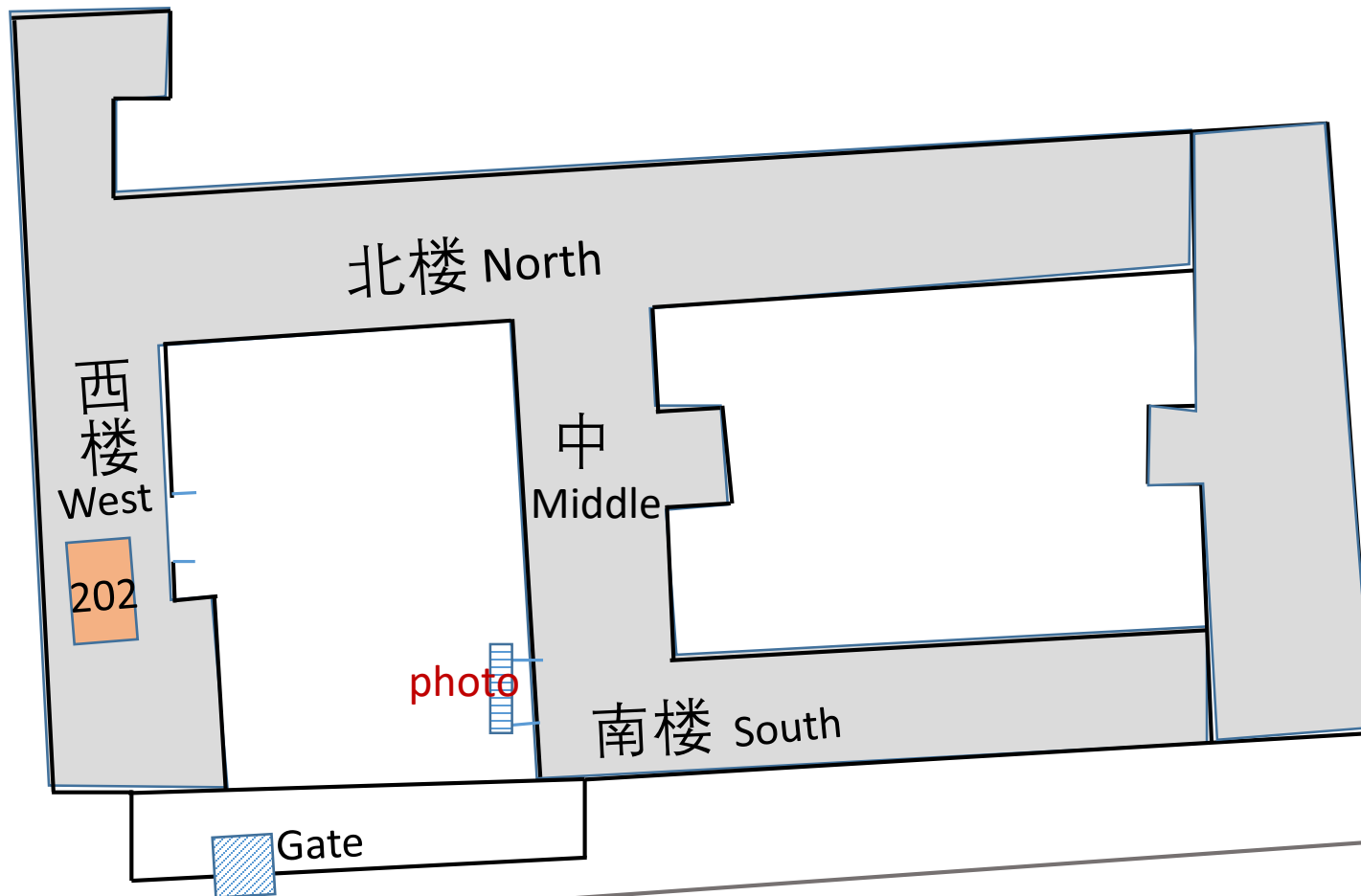
- WG1 Nuclear Structure & Reactions: West 202 (西202)
WG2 Nuclear Astrophysics: West 125 (西125)
WG3 Fundamental Interactions: West 206 (西206)
WG4 Equation of State: South 506 (南506)
WG5.1 Nuclear Theory: West 213 (西213)
WG5.2 QCD: South 408 (南408)
WG6 Facilities: West 113 (西113)
WG7 Nuclear Data: Middle 508 (中508)
WG8 Education: North 216 (北216)
- Conveners will organize the parallel agenda
- If you need supports please let us know asap: laptops, laser pointer...



Physics Building

中关村北大街
Zhongguanchun N. Street

PKU East Gate



北楼 North

西楼
West

202

中
Middle

photo

南楼 South

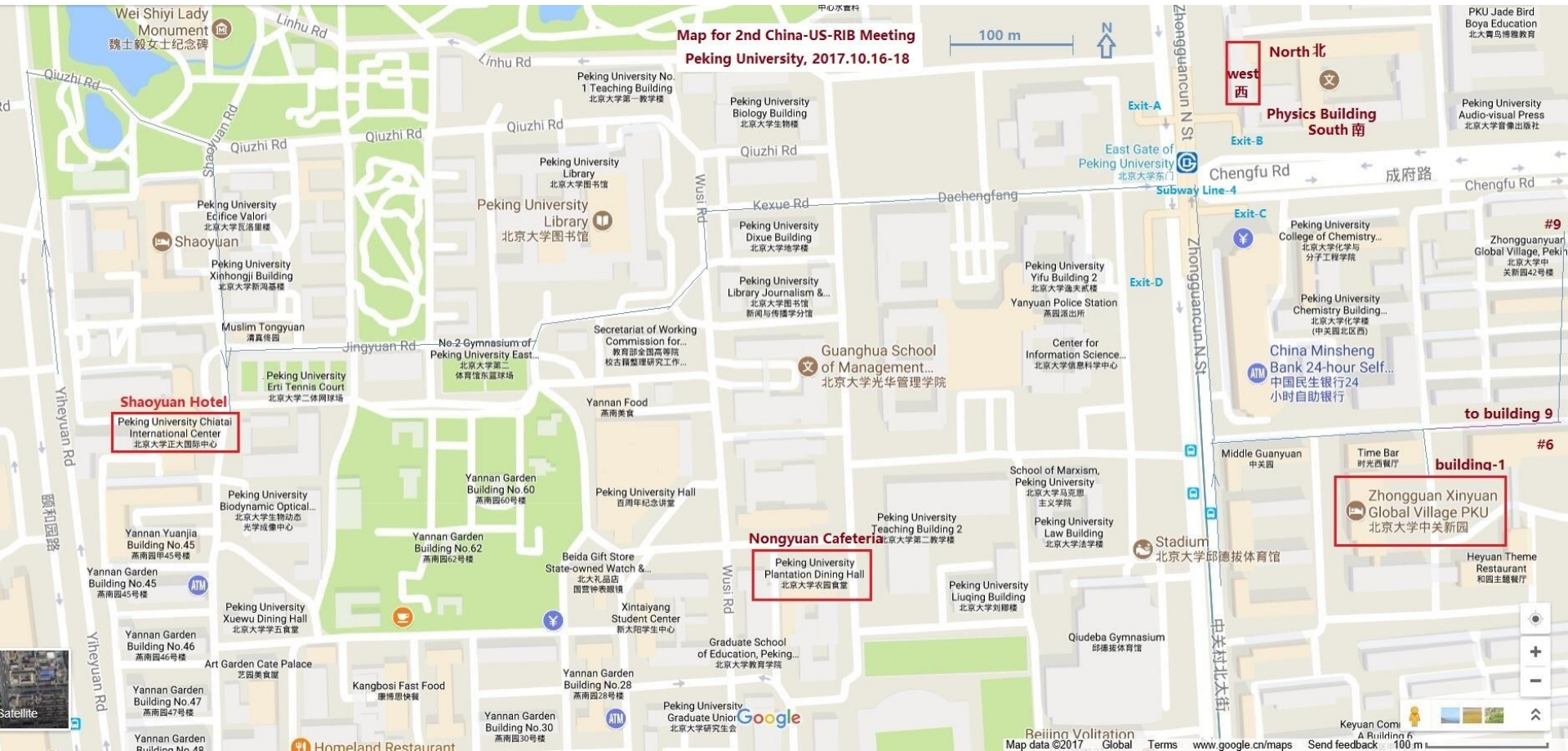
Gate

成府路 Chengfu Rd

Plenary discussions

- Following parallel sessions, WG conveners are asked to prepare a short report based on working group presentations and outcomes
- Please send the summary of your WG report (not more than 3 slides) to Yanlin Ye (yeyl@pku.edu.cn) and cc to me (peij@pku.edu.cn) on Oct.17 afternoon.
- Following the summary talk, there will be a Town Hall Meeting. Please prepare your question/comments!

Map of the Campus



Lunches are provided in Nongyuan Cafeteria; start at 12:30 PM
Monday dinner is in Zhongguan Xinyuan Building-6, Chenguang café
Tuesday dinner is in Nongyuan Cafeteria, third floor, *(no ticket required)*
Food tickets are required to have lunches and buffet dinners.

Seminars

1

Topic : Prospects for breakthroughs in understanding nuclei

Speaker : Prof. Witek Nazarewicz (Michigan State University)

Date : 2017年10月19日 (周四) 上午10:00

Place: 北京大学加速器楼408

3.

Topic : Preliminary studies in modeling excitation spectra of medium and heavy nuclei

Speaker: Prof. Calvin Johnson (San Diego State University)

Date: 2017年10月20日 (周五) 上午9:00

Place : 北京大学加速器楼408

5.

Topic: Information and Statistics: A New Paradigm in Nuclear Astrophysics

Speaker : Prof. Jorge Piekarewicz (Florida State University)

Date : 2017年10月20日 (周五) 上午10:30

Place : 北京大学加速器楼408

2

Topic : Active Targets and from imaging nuclear reactions to imaging the nucleus

Speaker : Prof. Wolfgang Mittig (Michigan State University)

Date : 2017年10月19日 (周四) 下午3:00

Place: 北京大学加速器楼408

4.

Topic : The Nuclear Physics of Neutron Stars

Speaker: Prof. Jorge Piekarewicz (Florida State University)

Date: 2017年10月20日 (周四) 下午4:00

Place : KIAA-PKU Auditorium

6.

Topic : Spectroscopy of deformed, neutron-rich nuclei in the $A \sim 160$ region via beta-decay and mass spectroscopy

Speaker: Dr. Filip Kondev (Argonne National Laboratory)

Date : 2017年10月23日 (周一) 下午3:00

Place : 北京大学加速器楼408

- The Information is available in the workshop website
<http://custipen.pku.edu.cn/meeting/2nd-china-us-rib/>
- Take your badge and your hotel card when you enter the university gate
- If you like to join the excursion in Oct.18 afternoon, please let us know

Enjoy your stay in Beijing!