

BOOST 2021 (FIRST ONE IN ASIA?)

PROPOSAL: PEKING UNIVERSITY



Qinghong Cao (PKU, Theo.)

Qiang Li (**PKU, CMS**)

Zhao Li (IHEP, Theo.)

Xiaohui Liu (Beijing Normal Univ., Theo.)

Lianliang Ma (SDU, ATLAS)

Huichao Song (PKU, Heavy Ion)



Beijing is an international city with convenient connections:

San Francisco	12hr	Toronto	13hr	Boston/New York	14hr		
Moscow	8hr	Geneva/Berlin/Paris	10hr	London	11hr	Madrid	12hr
Seoul	2hr	Tokyo	3.5hr	Bangkok	5hr	Sydney	11.5hr

Can arrange travelling support for 5-10 students/postdocs or invited speakers

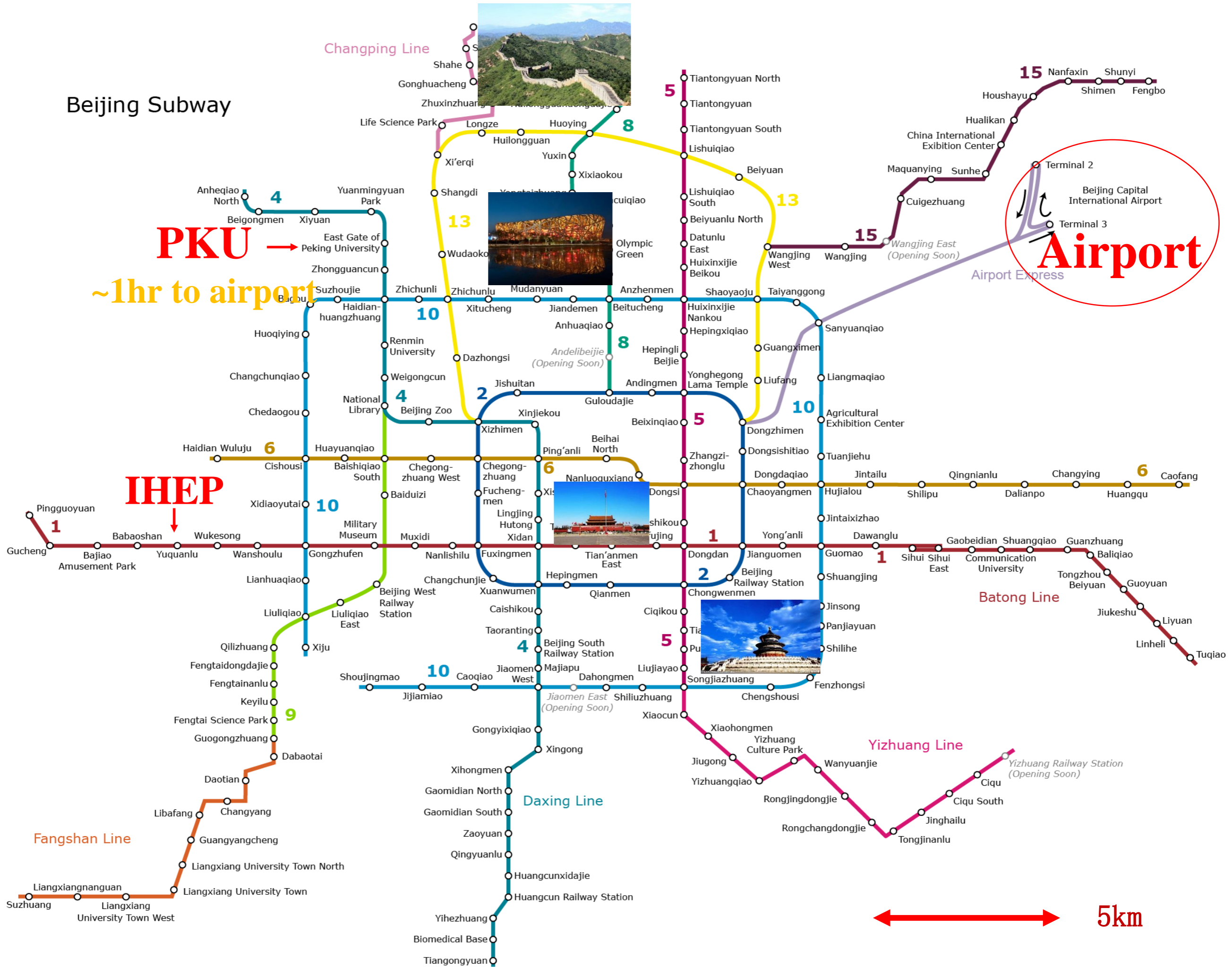


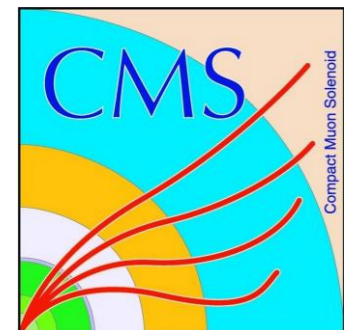
Peking University

- ❖ **Founded in 1898, a comprehensive and national top university**
- ❖ More than 50,000 students
 - Sciences
 - Information & Engineering
 - Humanities
 - Social Sciences
 - Economic & Management
 - Schools of Medical Sciences and interdisciplinary
- ❖ Playing an essential pioneering role in the course of Chinese modernization
- ❖ **Hosted SUSY2012, China LHCP 2016, CEPC Physics Workshop 2019 etc.**



Beijing Subway





HEP at Peking University

7 faculties:

Yong Ban, Yuanning Gao, Ya-Jun Mao, Qiang Li,

Si-Jin Qian, Da-Yong Wang, Si-Guang Wang

RPC and GEM , Vector Boson Scattering, $B \rightarrow K\mu\mu$,
generator, W-tagging, Di-boson resonance

Recent Graduates:

Chayanit A. (2015 Ph.D on VBF invisible Higgs) -> postdoc@DESY, faculty in Thailand

Feng W. Zhang (2017 Ph.D. on VBS) -> postdoc@UCDavis on CMS

Zijun Xu (2016 Ph.D on VV resonance) -> postdoc@SLAC on ATLAS

Huilin Qu (2014 undergraduate thesis) -> Ph.D.@UCSB on CMS, DeepAK8

3 postdocs: Andrew Levin (MIT), Antonios Agapitos (Rutgers), Qun Wang (joint with DESY)

There is also one large theory group nearby focusing on QCD and TeV Physics



CMSDAS 2019

09-13 December 2019@Peking University

CMS Data Analysis School 2019

09-13 December 2019,

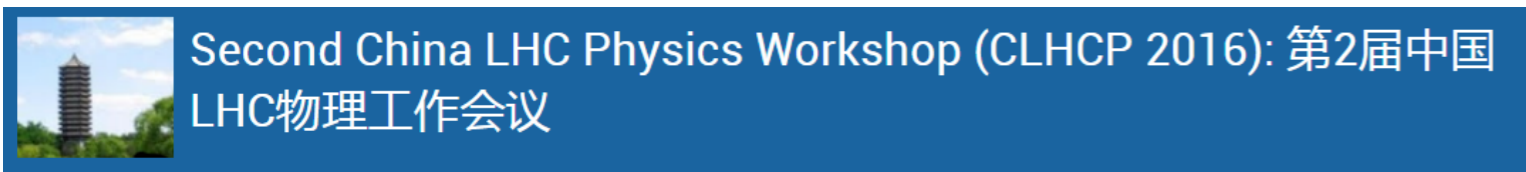
Peking University, Beijing, China

The CMS Data analysis school is the official school that CMS organizes every year in US, in Europe and in Asia to train students, Ph.D and young post-docs for the physics analysis. Each school starts with a morning devoted to informational plenary talks followed by the execution of a series of short and long exercises

HEP/BOOST in China

- **HEP TH/EX communities are being strengthened.**
- **CEPC is the highest priority for China HEP** (Check Liantao's talk)
- **China ATLAS/CMS groups are growing fast!**

Long history working on resonance searches with boosted technique



16-19 December 2016
PKU
Asia/Shanghai timezone

~300 participants

 Search

CLHCP2017, please send your proposal (5 page slides) to the Scientific Committee by Spring Festival, 2017

The 2nd China LHC Physics workshop (CLHCP) will take place at Peking University, from Dec 16 through 19, 2016. The workshop will be sponsored by School of Physics and the Center of High Energy Physics of Peking University, the Society of High Energy Physics of Chinese Physical Society (CPS), CAS Center for Excellence in Particle Physics (CCEPP) and Collaborative Innovation Center for Particles and Interactions (CICPI), and will be organized by ITP and HEP groups, PKU. The meeting is intended to promote fruitful collaboration between experimentalists and theorists working on physics topics related to the Large Hadron Collider.

Registration

Deadline: Dec. 01, 2016 , registration fee: 800 CNY/person

Contact info:

qinghongcao@pku.edu.cn

qiang.li@cern.ch



CEPC Design Report Released
On Nov. 14, 2018

Overview

Scientific Programme

Call for Abstracts

↳ View my Abstracts

↳ Submit Abstract

Timetable

Contribution List

Registration

↳ Registration Form

Participant List

Supporting Committee

Previous CLHCP

Qiang Li (Peking Univ., CMS):

- CMS level-2 generator convener
- Deep Learning application on Vector Boson Scattering
- W-tagging at CMS and its application to WW, WH resonance searches
- Long collaborations with
Andreas Hinzmann, Clemens Lange, Sung-Won Lee, Nhan Tran
- Working on Deep Tagger in collaboration with UCSB

Lianliang Ma (Sandong Univ., ATLAS) HWW and WW resonance searches

Xiaohui Liu (Beijing Normal Univ.): The groomed and ungroomed jet mass distribution for inclusive jet production at the LHC, JHEP 1810 (2018) 137

Zhao Li Probing the Higgs boson-gluon coupling via the jet energy profile at ee colliders, Phys. Rev. D 98, 076010 (2018)

HuiChao Song The iEBE-VISHNU code package for relativistic heavy-ion collisions, Comput.Phys.Commun. 199 (2016) 61-85

Qinghong Cao Transverse Momentum Resummation for t-channel single top quark production at the LHC , Phys. Rev. D 98, 054032 (2018)

Lecture Rooms @PKU

- ❖ The School of physics sits in a large building just outside Campus
- ❖ A big lecture room to contain up to 300 people
- ❖ Several discussion rooms, each for 20-30 persons
- ❖ Coffee or tea can be served



Accommodation @ PKU

Zhongguan Xinyuan Global Village 3&4 star ranks

- ▶ Standard room (double beds): \$70 in B9
- ▶ Queen-size bed room: \$85 in B1
- ▶ Breakfast and service charges included
- ▶ Good Internet Connection



Food @ PKU/Beijing

Both breakfast and dinner are served at the Global village
Lunch can be served by Nong-Yuan University Cafeteria on campus
Numerous restaurants around campus: 10mins walking off campus
Special menu for Vegetarian



Date & Workshop Fee Proposal

12-17 or 19-23 July, 2021

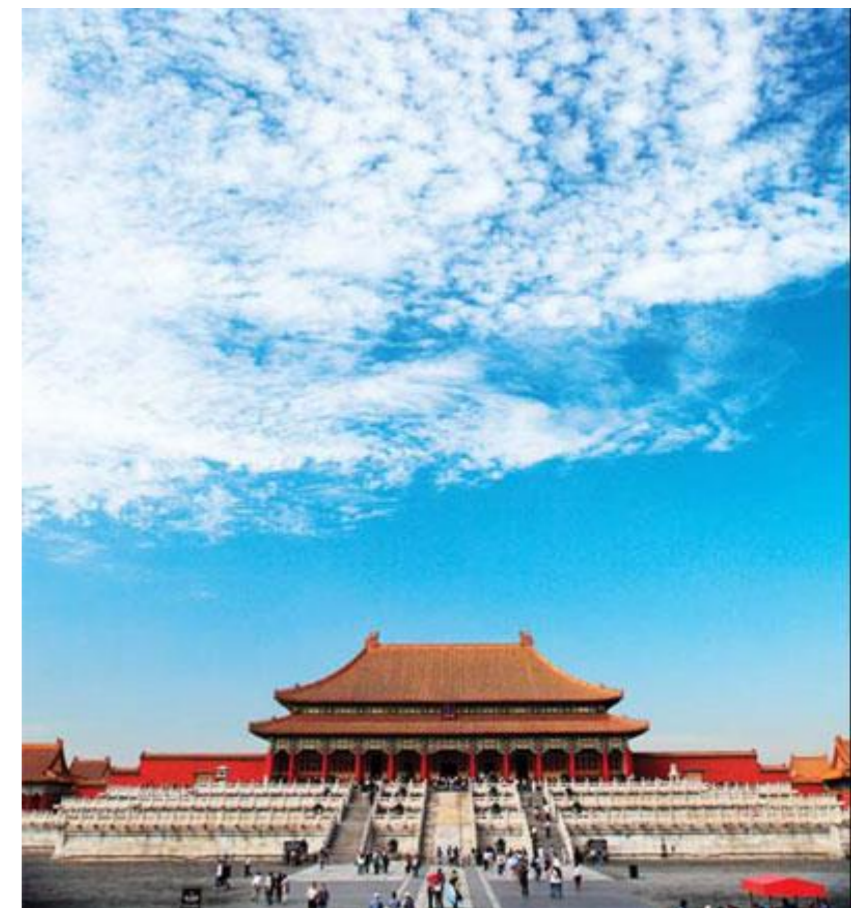
Registration Fee:

- ❖ Similar or less than previous school
- ❖ 1000RMB (~\$145) for students
- ❖ 1500RMB (~\$218) for postdocs/faculties

One reception + One banquet

Excursion to Summer palace/Forbidden City

Can also help
arranging travelling
inside China
after workshop



Preliminary Budget

- ❖ \$200 + \$70*5 + \$20*5 + \$1500 ~ \$2150
- ❖ Registration +accommodation +food +flight (if from US)

- ❖ \$200 + \$70*5 + \$20*5 + \$1000 ~ \$1650
- ❖ Registration +accommodation+food +flight (if from Europe)

Summary

- ❖ We look forward to hosting **the 1st Asian edition of BOOST!**
- ❖ This clearly will enable us integrated more within international community, on the TeV high Energy Frontier!
- ❖ The possible dates:
 - ❖ 12-17 or 19-23 July 2021


THANK YOU!




Traffic

❖ South of Beijing Train Station


- ❖ Bus
- ❖ Metro
- ❖ Taxi



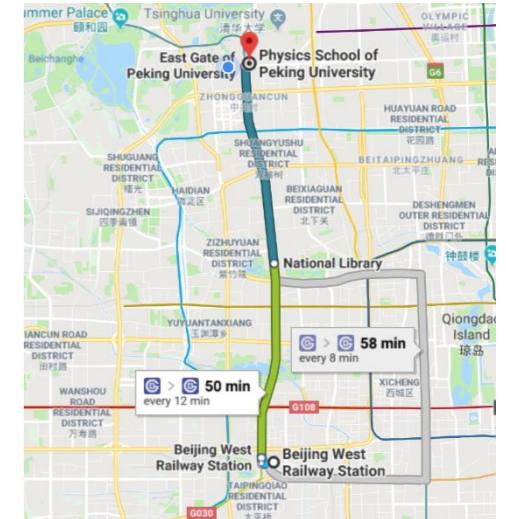
45 min

 **Subway Line 4 Daxing Line**

9:31 PM from Beijing South Railway Station


 3 min every 8 min

[DETAILS](#)






❖ West of Beijing Train Station


- ❖ Bus
- ❖ Metro
- ❖ Taxi




1 h 30 min

 **Airport Line** >  **Subway Line 10** >  **Subway Line 4 Daxing Line**




9:33 PM from Terminal 2

 3 min every 10 min


[DETAILS](#)



50 min

 >  **Subway Line 9** >  **Subway Line 4 Daxing Line**

9:44 PM from Beijing West Railway Station


 9 min every 12 min

[DETAILS](#)







1 h 41 min

 **Airport Line** >  >  **Subway Line 2** >  **Subway Line 4 Daxing Line**



58 min

9:24 PM—10:22 PM

 >  **Subway Line 7** >  **Subway Line 4 Daxing Line**

❖ Airport

- ❖ Bus
- ❖ Metro
- ❖ Taxi



1 h 45 min

 **Airport Line** >  **Subway Line 10** >  >  >

 355路 / 601路 / 特4路 > 

