



The 8th International Workshop on Cryogenics Operations (Cryo-Ops 2018)

Cryogenics Operations 2018

4-7 June 2018
IHEP

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Asia/Shanghai timezone

The Bulletin

Cryo-Ops 2018

(8th International Workshop on Cryogenics Operations)

June 4-7, 2018

IHEP CAS, Beijing, China

(Institute of High Energy Physics, Chinese Academy of Sciences)

Homepage: <http://indico.ihep.ac.cn/event/7062/>

The 8th International Workshop on Cryogenics Operations (Cryo-Ops 2018) will be held in IHEP, CAS, Beijing, China from June 4 to 7, 2018. The Workshop provides a periodic forum for research laboratories and industry to present and discuss current technological advancements, operability and maintenance experience of large cryogenic systems in the support to the physics research community or to industrial production. The Workshop topics are intended to include the latest practical engineering, safety and operational management applications and techniques that have been found to enhance the operational costs, reliability and flexibility.

1. Important Dates

1) Workshop:

Date: June 4-7, 2018

Place: Conference venue at IHEP, Beijing, China

2) Online abstracts:

Open: January 5, 2018

Deadline: April 5, 2018

3) Online registration:

Open: October 13, 2017

Deadline: May 1, 2018

4) Onsite registration:

2:00 pm - 5:30 pm, June 4, 2018

8:00 – 9:00 am, June 5, 2018

Place: Hall of the 2nd floor, main building, IHEP, Beijing

2. Topics

The Workshop topics are intended to include the latest practical engineering, safety and operational management applications and techniques that have been found to enhance the operational costs, reliability and flexibility. The main topics are as follows:

Cryogenic Development and Technology

- Progress updates from research centers
- New technology from industry

Cryogenic Systems Operations and Maintenance

- Utility management
- Equipment technical performance issues
- System contamination and leak prevention

Cryogenic Systems safety and control

- Equipment safety issues
- Remote operation centers
- Process control and automation

Cryogenic Systems Development

- Application-specific design
- Project management and scheduling
- Superfluid helium

3. Workshop Venue

This workshop will be held on the IHEP campus, which is located in the west Beijing and easily reachable by public transportation.

4. Timetable

Day 1 June 4, 2018	
8:30~12:00	Open Course (by Dr. Tripti Sekhar Datta)
14:00~17:30	Open Course (by Dr. Weisend John)
	2Registration
Day 2 June 5, 2018	
8:00~9:00	Registration, posters
9:00~9:20	Opening
9:20~9:50	Invitation Talk 1
9:50~10:20	Invitation Talk 2

10:20~10:50	Coffee, Photo, poster1
10:50~12:10	Talk (3rd~6th)
12:10~14:00	Lunch
14:00~15:20	Talk (7th~10th)
15:20~16:20	coffee +poster1
16:20~17:20	Talk (11th~13th)
17:20~18:00	discussion
18:30~21:00	Reception

Day 3 June 6, 2018

8:30~9:50	Talk (1st~4th)
9:50~10:20	Coffee, Remove poster1
10:20~11:20	Talk (5th~7th)
11:20~12:00	discussion
12:00~14:00	Lunch, Poster 2
14:00~16:00	Tour (visit ADS and BEPC II)
16:00~17:00	coffee + Poster 2
17:00~18:00	Talk (8th~10th)
18:30 ~21:00	Banquet

Day 4 June 7, 2018

8:30~9:50	Talk (1st~4th)
9:50~10:20	Coffee
10:20~12:00	Talk (5th~9th)
14:00~15:20	Talk (10th~13th)
15:20~15:50	Coffee, Remove poster 2

15:50~17:00

discussion + summary

5. Oral Presentation and Abstract Submission


All presenters are cordially asked to submit abstracts at the Website. All participants who want to present oral presentations can have a choice when registering. The Program Committee reserves the right to accept abstracts as oral or poster presentations. If your abstract is accepted for presentation, you will be notified by email around May 10, 2018 of your presentation date and time.

6. Accommodation

We have blocked some rooms in three hotels near our conference site as listed in the table below. They will offer you discounted price. You can also choose other hotels and book via your favorite agents or <http://english.ctrip.com> which we find quite convenient.

	Booking Ways	King bed room	Twin bed room
Holiday Inn Beijing ChangAn West	https://www.ihg.com/holidayinn/hotels/us/en/find-hotels/hotel/rooms?qCiMy=52018&qCiD=3&qCoMy=52018&qCoD=7&qAdlt=1&qChld=0&qRms=1&qRtP=6CBARC&qIta=99801505&qGrpCd=N03&qSIH=PEGCA&qAkamaiCC=US&qSrt=sBR&qBrs=ic.ki.ul.in.cp.vn.hi.ex.cv.rs.cw.sb.ma&qAAR=6CBARC&qWch=0&qSmP=1	471.70CNY	471.70CNY
Wanda Realm Beijing	send an email to reservation.beijing@wandahotels.com or call 86 010 88681188 through reservation departments	650CNY	750CNY
IHEP Guest House	call 86 010 88236088/ 88236810		355CNY

SPECIAL INSTRUCTION: When you choose Holiday Inn Beijing ChangAn West hotel, the location of selection check-in or check-out date in Web is not easy to find, so it is purposely expressed below.



[Discover](#)
[Meetings & Events](#)
[Offers](#)
[Apps](#)

06/03/2018 - 06/07/2018
1
1

Change Search

Check-In

06/03/2018

Check-Out

06/07/2018

Adults

1

Children

0

Rooms

1

Rate Preference

Best Available **

Corporate ID

IATA#

09801505

Group Code


N03

Search

* Requires affiliation in the respective organization.

** Best available rate search does not include affiliation rates.

Currency



King Location Nonsmoking

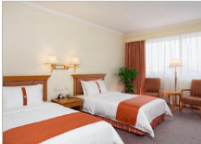
Settle into your welcoming and homely gat rm. You can link your laptop to complimentary high speed internet and sit back with satellite chnlis on your tv. The minibar is well stocked with chilled drinks and your spacious bathrm is fitted with an invigorating power shower.

3

FROM

471⁷⁰ CNY

SELECT ROOM



2 Single Beds Superior Nonsmoking

Settle into your welcoming and homely gat rm. You can link your laptop to complimentary high speed internet and sit back with satellite chnlis on your tv. The minibar is well stocked with chilled drinks and your spacious bathroom is fitted with an invigorating power shower.

3

FROM

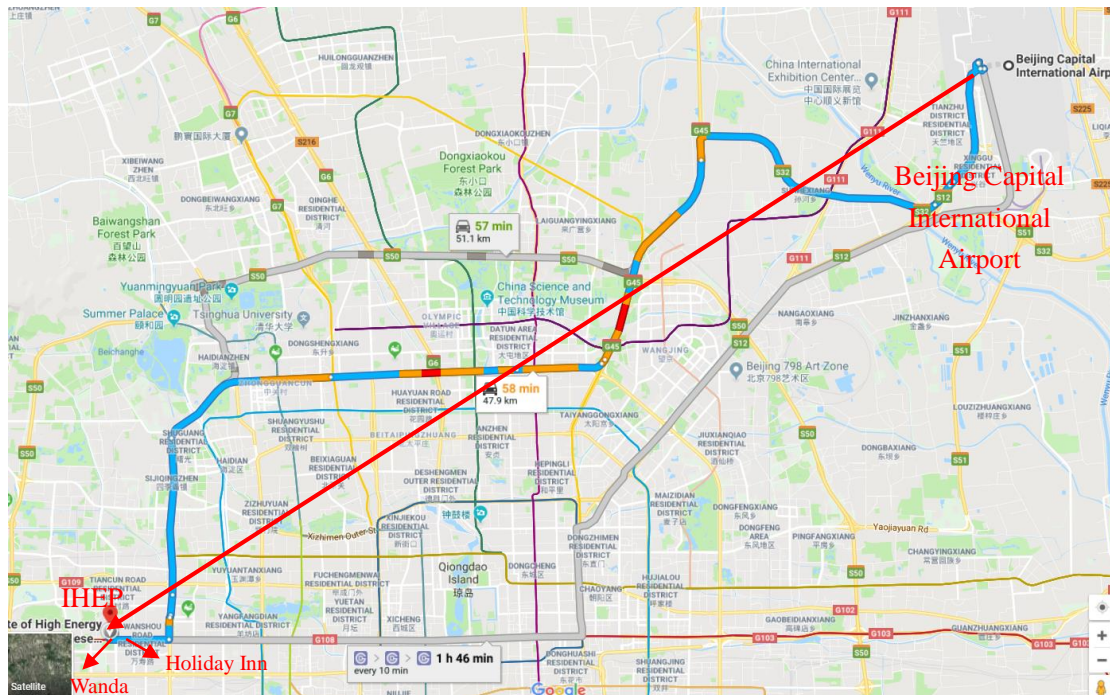
471⁷⁰ CNY

SELECT ROOM

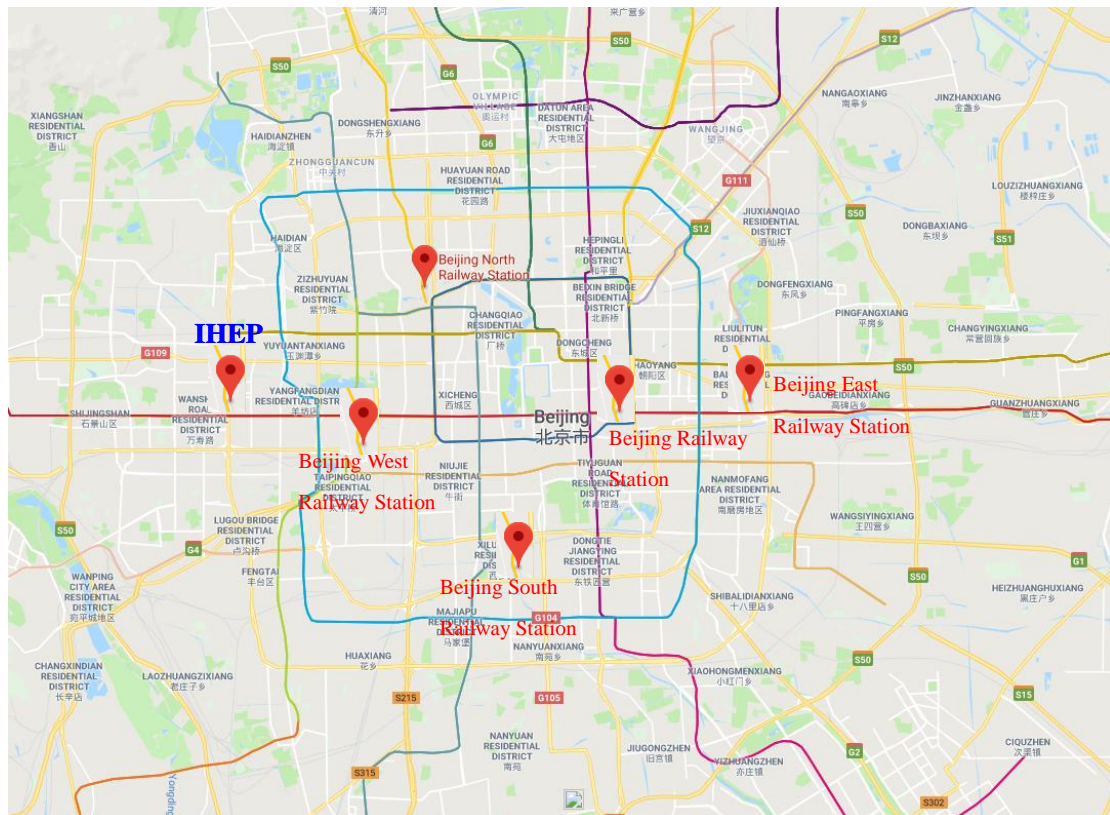
The map shows the IHEP Main Building and IHEP Guest House in the center. To the west, Wanda Realm Beijing is marked with a red star and a 2.6km distance. To the east, Holiday Inn Chang An West Beijing is marked with a red star and a 1.7km distance. The map includes various landmarks like Laoshan City Leisure Park, Babaoshan Revolutionary Cemetery, and several residential districts like Laoshan Residential District and Babaoshan Residential District. Roads like Shijingshan Rd, Lugu Rd, and Yuquan Road are also visible.

7. Transportation

- More details of transportation from Beijing Capital International Airport to the hotels can be found in the end of this circulation.



- More details of transportation from Beijing Railway Station to the hotels can be found in the end of this circulation. *There are 5 major railway stations in Beijing, namely Beijing Railway Station, Beijing North Railway Station, Beijing South Railway Station, Beijing West Railway Station and Beijing East Railway Station.*



8. Visa Application

Preparing a visa letter will take about two weeks! The deadline for dealing with the visa letter application is April 30th, 2018!!!

The Organizing Committee will be responsible for issuing visa application forms to the participants. Please register for the workshop before you request the letter of invitation.

Please note that foreign citizens must obtain a Chinese visa before entry into China, with the exception of visa-free entry based on relevant agreements or regulations. Please check the validity of your visa before traveling to China. If the visa has expired or the number of entries is not enough, you must apply for a new visa. Please contact the Chinese embassy or consulate in your home country for detailed information. We will send the Invitation Letter from the Organization Committee, IHEP via email to those who want to apply for the F type visa. Anyway the participants could apply for the tourist visa (L type visa) without this letter. For more visa information, please visit: <http://english.ihep.cas.cn/doc/1705.html>

If you need the Invitation Letter of Duly Authorized Unit, please send the information in list ①②③ to (CryoOpsWorkshop@ihep.ac.cn)

①the pdf of the personal page of your passport

②the pdf of your last Chinese visa

③the following information

Full name:

Date of Birth (YYYY/MM/DD):

Gender:

Passport number:

Passport issue date(YYYY/MM/DD):

Passport expiry date(YYYY/MM/DD):

Need one-entry or multi-entries visa letter:

Nationality:

The embassy or consulate of China where you apply for visa :

Date of Entry:

Job title:

Institution:

Mailing address:

SPECIAL INSTRUCTION: If this is the first time you come to China or you only have a "L" type visa, you can only apply for a one-entry visa.

9. Registration Fee

The registration fee is 200\$ or 1300 RMB. All attendees are recommended to pay the registration fee by online banking transfer. You can choose online banking transfer or on-site when registering.

If you pay the registration fee on-site, you can pay the fee by cash RMB or swipe card.

Foreign exchange entry account information

A/C Name: Institute of High Energy Physics Chinese Academy of Sciences

Account Number: 0200 0049 0901 4451 557

Beneficiary's Address: 19B Yuquan Road, Shijingshan District, Beijing, P. R. China Swift code: I C B K C N B J B J M

Bank Name: Industrial and Commercial Bank of China, Beijing Municipal Branch, Beijing, P. R.

China

Bank Address: NO.27 Taiping Road, Haidian District, Beijing, P.R. China

国内账户信息

名称: 中国科学院高能物理研究所

开户行: 工商银行北京永定路支行

账号: 0200 0049 0901 4451 557

10. Organization

International Workshop on Cryogenics Operations

Program Committee

Dana Arenius	<i>Jlab, USA</i>
Tripti Sekhar Datta	<i>IUAC, India</i>
Dimitri Delikaris	<i>CERN, Switzerland</i>
Ralf Eichhorn	<i>Cornell U, USA</i>
Arkadiy Klebaner	<i>Fermilab, USA</i>
Alexey Koveshnikov	<i>TRIUMF, Canada</i>
Yasuhiro Makida	<i>KEK, Japan</i>
Shrikant Pattalwar	<i>STFC, UK</i>
Bernd Petersen	<i>DESY, Germany</i>
John Weisend II	<i>ESS, Sweden</i>

8th International Workshop on Cryogenics Operations

IHEP Local Organizing Committee

Rui Ge

Qing Qin

Jianshe Cao

Shaopeng Li

Zhuo Zhang

Kun He

11. Contact information

Jianqin Zhang jqzhang@ihep.ac.cn
Rui Ge (Local Chair) gerui@ihep.ac.cn

12. General Information

- ✧ IHEP <http://english.ihep.cas.cn/>
- ✧ eBeijing <http://www.ebeijing.gov.cn/>
- ✧ Weather <http://en.weather.com.cn/weather/101010100.shtml>
- ✧ Tourism <http://english.visitbeijing.com.cn/>

There are some world heritage sites in Beijing, namely the Forbidden City, the Great Wall, the Summer Palace, the Temple of Heaven, the Ming Tombs, Zhoukoudian Peking Man Site and the Grand Canal.

- ✧ Map <http://www.google.cn/maps/@39.9063919,116.2537208,14z?hl=en>
- ✧ Restaurants near IHEP

Beijing Taiwan Street

Address: 2nd Shijingshan Road, Shijingshan District



You can enjoy the Chinese foods in Beijing Taiwan Street. Here are some recommended restaurants.

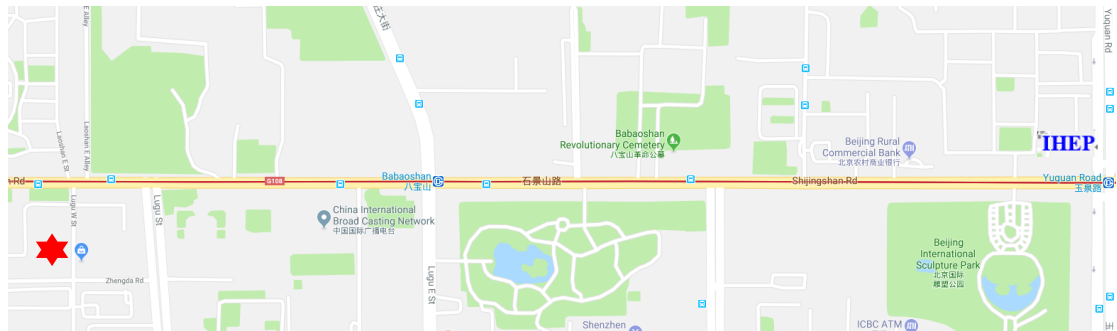
- Hanlixuan Barbecue Cafeteria: *specialty → Barbecue*
- Taixianglou: *Sichuan taste*
- Dry Pot Legend: *specialty → Dry Pot*
- Liuyishou Hot Pot: *specialty → Hot Pot*



✧ Entertainment near IHEP

Shijingshan Wanda Shopping Plaza

Address: 18B Shijingshan Road, Shijingshan District



Here, you can watch the movies, go shopping for beautiful clothes, and also enjoy the delicious foods.



About Beijing

Beijing, also known as Peking, is the capital of the People's Republic of China and one of the most populous cities in the world, with a population of 19,612,368 as of 2010. The city is the country's political, cultural, and educational center, and home to the headquarters for most of China's largest state-owned companies. The metropolis, located in northern China, borders Hebei Province to the north, west, south, and a small section to the east, and Tianjin Municipality to the southeast.

Few cities in the world have served as long as the political and cultural center of an area as immense. Beijing is one of the Four Great Ancient Capitals of China. It has been the heart of China's history for centuries, and there is scarcely a major building of any age in Beijing that does not have at least some national historical significance. The city is renowned for its opulent palaces, temples, and huge stone walls and gates. Its art treasures and universities have long made it a center of culture and art in China.

Beijing is an ideal destination for study tour. In order to meet the 24th Winter Olympic Games in 2022, Beijing has developed a number of snow and ice tour products. In winter, you will have a unique experience of enjoying the spectacular scenery of the Great Wall in snow and ski in the Beijing suburbs. Charming Beijing welcomes you.

<http://english.visitbeijing.com.cn/>

How to get to the Hotels

From Beijing Capital International Airport

1) Airport Shuttle Bus

- Take the Shijingshan line → Get off at the Wanda Realm Hotel stop, and you see the *Wanda Realm Beijing hotel*.
- Take the Shijingshan line → Get off at the Wukesong bridge north stop, then walk 1.3 kilometers to the *Holiday Inn Beijing ChangAn West hotel*.
- Take the Shijingshan line → Get off at the Wukesong bridge north stop, then take a taxi to *IHEP Guest House*.

The above information summarized in the following table.

Destination	Line	Time	Bus Stop	Duration	Fare (CNY)
<i>Wanda Realm</i>	Shijingshan	7:30 am ~ 10:00 pm	Wanda Realm Hotel stop	2 hours	30*
<i>Holiday Inn</i>	Shijingshan		Wukesong bridge north stop, then walk	2 hours and 5 minutes	30*
<i>Guest House</i>	Shijingshan		Wukesong bridge north stop, then taxi	2 hours and 8 minutes	30* plus 18

*SPECIAL INSTRUCTION: According to the site setting, the fare is divided into three levels of 20, 25, 30 CNY. Specific fare is subject to the announcement of the ticket booth.

2) Subway

- Take the Airport shuttle bus line → Get off at Dongzhimen station, transfer to the subway line 2 → Get off at Fuxingmen station, transfer to the subway line 1 → Get off at Babaoshan station (A exit), then walk 500 meters to *Wanda Realm Beijing hotel*.
- Take the Airport shuttle bus line → Get off at Dongzhimen station, transfer to the subway line 2 → Get off at Fuxingmen station, transfer to the subway line 1 → Get off at Wukesong station (A exit), then walk 1.2 kilometers to *Holiday Inn Beijing ChangAn West hotel*.
- Take the Airport shuttle bus line → Get off at Dongzhimen station, transfer to the subway line 2 → Get off at Fuxingmen station, transfer to the subway line 1 → Get off at Yuquanlu station (A2 exit), then walk 900 meters to *IHEP Guest House*.

The above information summarized in the following table.

Destination	Line	Duration	Fare (CNY)
<i>Wanda Realm</i>	Airport shuttle bus line → subway line 2 → subway line 1 (Babaoshan station)	1 hour 37 minutes	30
<i>Holiday Inn</i>	Airport shuttle bus line → subway line 2 → subway line 1 (Wukesong station)	1 hour 39 minutes	30
<i>Guest House</i>	Airport shuttle bus line → subway line 2 → subway line 1 (Yuquanlu station)	1 hour 34 minutes	30

3) Taxi

From Beijing Capital International Airport to Hotels

Destination	Duration	Fare (CNY)
<i>Wanda Realm</i>	55 minutes	170*
<i>Holiday Inn</i>	1 hour	142*
<i>Guest House</i>	1 hour and 5 minutes	145*

*SPECIAL INSTRUCTION: The fare can be changed according to the circumstance.

From Beijing Railway Station

1) Subway

i. Beijing Railway Station

- Take subway line 2, get on the Beijing Railway Station →Get off at Fuxingmen station, transfer to the subway line 1 →Get off at Babaoshan station (A exit), then walk 500 meters to *Wanda Realm Beijing hotel*.
- Take subway line 2, get on the Beijing Railway Station →Get off at Fuxingmen station, transfer to the subway line 1 →Get off at Wukesong station (A exit), then walk 1.2 kilometers to *Holiday Inn Beijing ChangAn West hotel*.
- Take subway line 2, get on the Beijing Railway Station →Get off at Fuxingmen station, transfer to the subway line 1 →Get off at Yuquanlu station (A2 exit), then walk 900 meters to *IHEP Guest House*.

ii. Beijing North Railway Station

- a. Take subway line 2, get on the Xizhimen Station →Get off at Fuxingmen station, transfer to the subway line 1 →Get off at Babaoshan station (A exit), then walk 500 meters to [Wanda Realm Beijing hotel](#).
- b. Take subway line 2, get on the Xizhimen Station →Get off at Fuxingmen station, transfer to the subway line 1 →Get off at Wukesong station (A exit), then walk 1.2 kilometers to [Holiday Inn Beijing ChangAn West hotel](#).
- c. Take subway line 2, get on the Xizhimen Station →Get off at Fuxingmen station, transfer to the subway line 1 →Get off at Yuquanlu station (A2 exit), then walk 900 meters to [IHEP Guest House](#).

iii. Beijing South Railway Station

- a. Take subway line 4, get on the Beijing South Railway Station →Get off at Xidan station, transfer to the subway line 1 →Get off at Babaoshan station (A exit), then walk 500 meters to [Wanda Realm Beijing hotel](#).
- b. Take subway line 4, get on the Beijing South Railway Station →Get off at Xidan station, transfer to the subway line 1 →Get off at Wukesong station (A exit), then walk 1.2 kilometers to [Holiday Inn Beijing ChangAn West hotel](#).
- c. Take subway line 4, get on the Beijing South Railway Station →Get off at Xidan station, transfer to the subway line 1 →Get off at Yuquanlu station (A2 exit), then walk 900 meters to [IHEP Guest House](#).

iv. Beijing West Railway Station

- a. Take subway line 9, get on the Beijing West Railway Station →Get off at Junshibowuguan station, transfer to the subway line 1 → Get off at Babaoshan station (A exit), then walk 500 meters to [Wanda Realm Beijing hotel](#).
- b. Take subway line 9, get on the Beijing West Railway Station →Get off at Junshibowuguan station, transfer to the subway line 1 → Get off at Wukesong station (A exit), then walk 1.2 kilometers to [Holiday Inn Beijing ChangAn West hotel](#).
- c. Take subway line 9, get on the Beijing West Railway Station →Get off at Junshibowuguan station, transfer to the subway line 1 → Get off at Yuquanlu station (A2 exit), then walk 900 meters to [IHEP Guest House](#).

v. Beijing East Railway Station

- a. Take bus 138, get on the Beijing East Railway Station →Get off at Bawangfen station, then walk 530meters to Dawanglu subway staion, take the subway line 1 → Get off at Babaoshan station (A exit), then walk 500 meters to [Wanda Realm Beijing hotel](#).
- b. Take bus 138, get on the Beijing East Railway Station → Get off at Bawangfen station, then walk 530meters to Dawanglu subway staion, take the subway line 1 → Get off at Wukesong station (A exit), then walk 1.2 kilometers to [Holiday Inn Beijing ChangAn West hotel](#).

- c. Take bus 138, get on the Beijing East Railway Station →Get off at Bawangfen station, then walk 530meters to Dawanglu subway staion, take the subway line 1 →Get off at Yuquanlu station (A2 exit), then walk 900 meters to *IHEP Guest House*.

The above information summarized in the following table.

	Destination	Line	Duration	Fare (CNY)
Beijing Railway Station	<i>Wanda Realm</i> <i>Holiday Inn</i> <i>Guest House</i>	Take subway line 2, get on the Beijing Railway Station → Get off at Fuxingmen station, transfer to the subway line 1 → Get off at <i>Babaoshan station, Wukesong station, Yuquanlu station</i>	44 minutes*	5
Beijing North Railway Station	<i>Wanda Realm</i> <i>Holiday Inn</i> <i>Guest House</i>	Take subway line 2, get on the Xizhimen Station → Get off at Fuxingmen station, transfer to the subway line 1 → Get off at <i>Babaoshan station, Wukesong station, Yuquanlu station</i>	45 minutes*	4
Beijing South Railway Station	<i>Wanda Realm</i> <i>Holiday Inn</i> <i>Guest House</i>	Take subway line 4, get on the Beijing South Railway Station → Get off at Xidan station, transfer to the subway line 1 → Get off at <i>Babaoshan station, Wukesong station, Yuquanlu station</i>	49 minutes*	5

Beijing West Railway Station	<i>Wanda Realm</i> <i>Holiday Inn</i> <i>Guest House</i>	Take subway line 9, get on the Beijing West Railway Station → Get off at Junshibowuguan station, transfer to the subway line 1 → Get off at Babaoshan station , Wukesong station , Yuquanlu station	40 minutes*	3
Beijing East Railway Station	<i>Wanda Realm</i> <i>Holiday Inn</i> <i>Guest House</i>	Take bus 138, get on the Beijing East Railway Station → Get off at Bawangfen station, then walk 530meters to Dawanglu subway station, take the subway line 1 → Get off at Babaoshan station , Wukesong station , Yuquanlu station	1 hour and 8minutes*	7

*SPECIAL INSTRUCTION: Only the longest time is listed here. The time difference to the three hotels is generally 10 minutes.

2) Taxi

From 5 major railway stations in Beijing to Hotels

	Destination	Duration	Fare (CNY)
Beijing Railway Station	<i>Wanda Realm</i> <i>Holiday Inn</i> <i>Guest House</i>	39 minutes*	64**
Beijing North Railway Station	<i>Wanda Realm</i> <i>Holiday Inn</i> <i>Guest House</i>	33 minutes*	43**

Beijing South Railway Station	<i>Wanda Realm</i>	32 minutes*	59**
	<i>Holiday Inn</i>		
	<i>Guest House</i>		
Beijing West Railway Station	<i>Wanda Realm</i>	17 minutes*	29**
	<i>Holiday Inn</i>		
	<i>Guest House</i>		
Beijing East Railway Station	<i>Wanda Realm</i>	48 minutes*	90**
	<i>Holiday Inn</i>		
	<i>Guest House</i>		

*SPECIAL INSTRUCTION: Only the longest time is listed here. The time difference to the three hotels is generally 6 minutes.

**SPECIAL INSTRUCTION: The fare can be changed according to the circumstance.