

COOL 09

Workshop on Beam Cooling and Related Topics

August 31 – September 4, 2009

IMP, Lanzhou, China

First Announcement

Dear Colleagues,

The Institute of Modern Physics (IMP), affiliated to Chinese Academy of Sciences will be hosting Workshop on Beam Cooling and Related Topics (COOL09). The workshop will take place at the campus of Institute of Modern Physics from August 31 to September 4 , 2009.

Up-to-date information about the workshop is available on the COOL09 website at <http://cool09.impcas.ac.cn>.

Workshop Layout

The workshop will highlight the following topics:

- Electron cooling
- Stochastic cooling
- Laser cooling,
- Muon cooling,
- Ionization cooling
- Storage of particles in antiproton and heavy ion traps
- Other methods of phase space manipulation.

The workshop will include a reception evening, invited presentation, oral contribution, poster sessions, a conference banquet, a technical tour of the IMP facilities (including cyclotrons and storage rings), and a conference excursion to a local museum and riverside of the Yellow River in Lanzhou.

Program and Proceedings

The workshop will start on Monday morning, August 31 at 9 a.m. and finish on Friday, September 4 before lunch.

It is planned to present as many as possible contributions orally. Those contributions which cannot be considered for oral presentation will be shifted to a poster session on Thursday afternoon.

Main topics of invited talks:

- Status of New and Existing Accelerators
- Progress of Stochastic and Electron Cooling
- Cooling at High Energy Accelerators
- New Cooling Concepts
- Theoretical Studies of the Cooling Process and Parameters of Cooled Beams
- Application of Cooling for Secondary Beam Preparation
- Crystalline Beams

For an updated list of invited speakers please visit the workshop website.

The proceedings will be published with JACOW. The proceedings will be provided to the participants on a CD. If a sufficient number of participants express their interest, a printed copy will be provided which must be paid at the workshop. Please indicate your interest in the registration form.

Abstracts

Abstracts must be submitted to the SPMS system developed by the JACOW collaboration (<http://spms.kek.jp/pls/cool2009/repository.html>). Authors must register to the JACOW system before submitting an abstract.

For abstract submission please go to the COOL09 website.

Workshop Venue

The workshop will be held at the Institute of Modern Physics located near the downtown center of Lanzhou.

Lanzhou is the capital of Gansu province. The medium-sized city is located along the famous Silk Road (<http://www.chinats.com/lanzhou/index.htm>) with a history of more than thousand years. Lanzhou has a total area of about 14, 000 square kilometers and a population of 2.6million. There are more than 30 ethnic groups in Lanzhou.

Lanzhou stretches along the Yellow River as it snakes its way through the valley. The city is located on the loess plateau with an average elevation of 1520 meters. Its weather is comparatively good. Winters are not severe, nor is it extremely hot in summer. When most cities of China suffer from the intense heat of summer, the average temperature here is only 22.6°C in the hottest month.

The weather at the beginning of September should be still pleasantly warm, but you should be prepared for cold and rainy days.

Call for Contributions and Registration

All colleagues interested in the related fields are cordially invited to participate in the workshop and present contributions in oral or poster format. If you would like to receive further information or intend to participate in the workshop, please visit the workshop webpage <http://cool09.impcas.ac.cn/> and fill in the registration form at your earliest convenience. Because the registration in time is

crucial for organization of the workshop, participant's cooperation will be highly appreciated.

Workshop Registration Fee

The reduced workshop fee is 450.- € for payments which are received before July 31, 2009. After that date the fee is 500.- € The workshop registration fee includes:

- ✧ Attendance at all sessions
- ✧ All materials of the workshop including the proceedings and the book of abstracts
- ✧ The workshop coffee breaks and lunch buffet through Monday to Thursday
- ✧ Get-together reception(Sunday evening), conference banquet (Wednesday)
- ✧ Technical tour of the IMP facilities
- ✧ Conference excursion to a local museum and riverside of the Yellow River
- ✧ Transport between the hotel and Lanzhou airport (70 km)

The reduced registration fee can only be paid by bank transfer. Payments must be made in Euros. Payments (late registration fee 500.- €) can be made at the conference desk on Sunday and Monday by cash or credit card (VISA or MASTER).

The registration fee for each accompany person is 250.- € which includes get-together reception, conference banquet, lunch through Monday to Thursday, the conference excursion to a local museum and riverside of the Yellow River, transport between Lanzhou airport and the hotel, and a guided tour to nearby attractions.

Please note that any bank fees incurred as a result of electronically transferred payments are the sole responsibility of the participants. The workshop bank account is:

NAME: INSTITUTE OF MODERN PHYSICS, CHINESE ACADEMY OF SCIENCES
BANK OF DEPOSIT: BANK OF CHINA GANSU BRANCH
ACCOUNT: 325127835688091038
SWIFT: BKCHCNBJ660

Hotel

A number of rooms have been reserved in the Ning-Wo-Zhuang Hotel(about 5 minutes walk to IMP) for the workshop participants at Registered Member rate. Two buildings are available for the workshop, the No.2 Building and VIP Building. The rate of different room rate is shown in the following table.

NO.2 Building				VIP Building			
Deluxe Standard Room	Grand King	Deluxe Suite	VIP suite B	Standard Room	Business Standard Room	Suite	Deluxe suite
¥980	¥980	¥1990	¥2990	¥320	¥360	¥800	¥2400

All the participants are expected to make their hotel reservation through the Ning-Wo-Zhuang Hotel, <http://www.gsnwzhotels.com/English/index.asp>, there one can get the detail information of room.

No pre-payment for the hotel reservation is requested. The hotel payment can be made by credit card (VISA or MASTER) or cash when you arrive at the hotel or during your stay in the hotel. The hotel information is available on the workshop web site.

Visa information

Each registered COOL09 workshop participant will receive an invitation letter for the visa application from IMP with an official VISA APPLICATION FORM. The participants should apply for visa at Chinese Embassy or Consulate in their resident countries. Please find the useful information of visa issue at the official website of Ministry of Foreign Affairs of China (<http://www.fmprc.gov.cn/eng/ljzg/3647/default.htm>).

The invitation letter does not imply any undertaking to support the participant financially.

Insurance

Attendants of the workshop have to take care of proper health and personal liability insurance. No responsibility can be taken by the organizers.

Travel

There are a number of flights from Beijing/Shanghai/Guangzhou/Chengdu to Lanzhou everyday. Participants are kindly requested to inform the local committee your flight number, date and landing time, our colleagues will pick you up in Lanzhou Zhongchuan airport and drive to Ning-Wo-Zhuang Hotel.

Important Dates

Abstract submission March 9 – June 12

Registration March 9 – August 21

Deadline for registration and room reservation August 21

deadline for early registration fee July 31

International Program Committee

Ilan Ben-Zvi (BNL), Brookhaven, USA
Håkan Danared (MSL), Stockholm, Sweden
Yaroslav Derbenev (TJNAF), Newport News, USA
Dan Kaplan (IIT), Chicago, USA
Kwang-Je Kim (ANL), Argonne, USA
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Ming Xie
Xiaodong Yang(Co-Chair)
Youjin Yuan(Editor)
Hongwei Zhao(Chair)

Contacts

Lijun Mao
Institute of Modern Physics
Chinese Academy of Sciences
509 Nanchang Road, Lanzhou
730000
P.R.China
Tel:86-0931-4969221
Fax:86-0931-8272100
Email:cool09@impcas.ac.cn
Workshop Website: <http://cool09.impcas.ac.cn>