

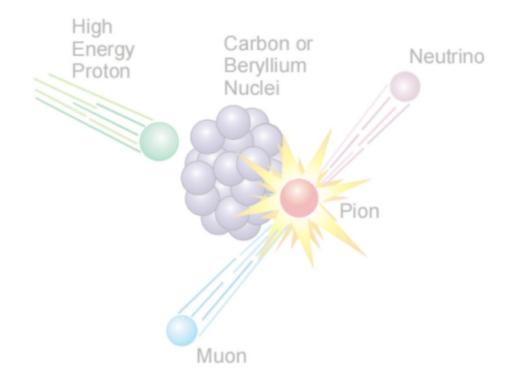
MELDIY ZUZE

The first Workshop on Muon SciEnce TechnoLOgy and InDustrY

China Spallation Neutron Source 4-6 November, 2023

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About China Spallation Neutron Source



The China Spallation Neutron Source (CSNS) is the first pulsed neutron source facility ever constructed in a developing country. It serves as an advanced experimental platform for interdisciplinary research and showcases China's scientific, technological, economic, and industrial prowess. Furthermore, it stands as a testament to China's capabilities in these areas.

CSNS is located in Dalang Town, Dongguan City, at the heart of the Guangdong-Hong Kong-Macao Greater Bay Area. It comprises a powerful linear accelerator, a rapid circling synchrotron, a target station, and three Phase I neutron instruments. Its primary objective is to provide a robust platform for fundamental scientific research and high-tech

development across various fields such as material science, life science, resource environment, new energy, etc.



中国散裂中子源简介

中国散裂中子源是国家"十一五"期间重点建设的十二大科学装置之首,将为我国材料科学技术、物理、化学化工、生命科学、资源环境和新能源等提供一个先进、功能强大的科研平台,成为继英国散裂中子源、美国散裂中子源和日本散裂中子源之后,全世界第四台脉冲型散裂中子源。项目落户广东省东莞市大朗镇,总投资约23亿元,由中国科学院和广东省人民政府共同建设,中国科学院高能物理研究所为项目法人,中国科学院物理研究所参建。

中国散裂中子源的建设得到了国家有关部委及广东省、东莞市的大力支持。它将对粤港澳大湾区国际科技创新中心建设提供重要的科技支撑,对满足国家重大战略需求、解决诸多领域前沿科学问题具有重要意义。

小粒子成就大世界,中国散裂中子源,将展现绚丽多姿的科技魅力,为实现中华民族伟大复兴的"中国梦"贡献力量!

	4th, November 2023 (Saturday)					
Venue: A1-Lecture Hall, CSNS						
08:30-09:00 Registration (CSNS Lobby)						
Chair:	Chair: Tianjiao Liang					
9:00	Tianjiao Liang(CSNS,IHEP)					
	Opening remarks					
9:10	Huachang Liu					
	CSNS accelerator system and upgrade					
9:35	Yu Bao					
7.55	Design of MELODY and future					
	Kim Siang Khaw					
10:10	Prospects for a kHz-MHz repetition rate pulsed muon beam in the					
	Shanghai SHINE facility					
	10:45-11:05 Coffee Break: CSNS Lobby & Photo					
Chair:	Xiao Li					
	Tianjue Zhang					
11:05	An efficient high power proton accelerator and its possible muon					
	application					
11:40	Yuan He					
	CiADS and Its Plan of Muon Source					
	12:15-13:45 Lunch: A4-Staff Canteen					
Chair:	Xin Tong					
13:45	Yoshitaka KUNO					
	Muon particle physics experiments					
14:20	Liang Li					
	New Physics Potential from Muon g-2 Experiment at Fermilab					
14.55	Kim Siang Khaw					
14:55	The nuts and bolts of muon precession frequency measurements in the					
	Fermilab Muon g-2 experiment					
Chain	15:30-15:45 Coffee Break: CSNS Lobby					
Chair:	Nikolaos Vassilopoulos Rehman Muhammad Abdul					
15:45						
	Studies on 3D spiral injection for compact storage rings Kim Siang Khaw					
16:10						
10.10	Searching for a permanent muon electric dipole moment in the PSI muEDM experiment					
	Chen Wu					
16:40	Status of the COMET Experiment at J-PARC					
	DISCUSION: Muon particle physics in future facilities (Chair: Yoshitaka					
17:05	KUNO)					
	<i>'</i>					
	17:40-19:30 Dinner: Hampton Cafeteria					

5th, November 2023 (Sunday)						
Venue: A1-Lecture Hall, CSNS						
Chair: Akihiro Koda						
9:00	Jess Brewer History of muSR					
9:35	5 Fanlong Ning muSR Investigation of Bulk Form Magnetic Semiconductors					
10:05	Shu Lei Exploration of quantum spin liquid ground state by MuSR					
10:35-10:50 Coffee Break: CSNS Lobby						
Chair:	Lei Shu					
10:50	Akihiro Koda Surface muon beamline and sample environments at J-PARC MLF					
11:25	Gaoting Lin 25 MuSR study on the magnetism frustrated systems with triangular lattice and honeycomb lattice					
11:55	Tian Shang Investigating the electronic correlated materials using muon spin spectroscopy					
	12:25-14:00 Lunch: A4-Staff Canteen					
Chair:	Ruirui Fan					
14:00	Thomas Prokscha Status of the Swiss Muon Source					
14:35	Sohtaro Kanda The ultra-slow muon facility at J-PARC MUSE					
15:00	Yang Li Muon cooling based on frictional cooling					
	15:25-15:40 Coffee Break					
Chair:	Kim Siang Khaw					
15:40	Lei Liu Target design of MELODY					
16:05	Guangdong Liu Beamline design of MELODY					
16:30	You Lv Beam measurement of MELODY					
16:55	Qiang Li Spectrometer design of MELODY					
17:20	DISCUSSION: muSR applications for MELODY (Chair: Shiliang Li)					
17:50-19:30 Dinner: A4-Staff Canteen						

6th, November 2023 (Monday)						
Venue: A1-Lecture Hall, CSNS						
Chair: Yoshitaka KUNO						
0.00	Naritoshi Kawamura					
9:00	The muon facility of MLF J-PARC					
	Ziwen Pan					
9:35	Feasibility study and preliminary test of a coded aperture based muonic					
	x-ray element imaging method					
10.10	Yuhang Guo					
10:10	Physical design of a novel MuMubar spectrometer					
10:35-10:50 Coffee Break: CSNS Lobby						
Chair:	Liang Li					
10:50	Qite Li					
10:30	R&D of cosmic muon imaging based on RPC					
11:15	Jifeng Hu					
11:13	Simulation study of imaging widgets with CSNS muon beam					
	Yu Wang					
11:40	Development and experimental study of the high spatial resolution muon					
	imaging prototypes with Micromegas detectors					
	12:05-14:00 Lunch: A4-Staff Canteen					
Chair:	Ziwen Pan					
	Vadim Grinenko					
14:00	MuSR as a primary tool to search for superconductors with broken					
	time-reversal symmetry					
	Shiliang Li					
14:30	Neutron diffraction and muSR studies on several quantum magnetic					
	systems					
	Ping Miao					
15:00	Persistent spin dynamics in magnetically ordered honeycomb cobalt					
	oxides.					
	15:30-16:00 Coffee Break: CSNS Lobby					
Chair:	Qiang Li					
4 5 0 0	Xiaojie Ni					
16:00	Study of metal halide perovskite materials by low energy uSR					
	Rhea Stewart					
16:30	The ISIS muon facility now and into the future					
16:55	DISCUSSION: multidisciplinary applications (Chair: Yu Bao)					
10.55						
	17:30-19:30 Dinner: A4-Staff Canteen					

General Information

Zoom Link for MELODY2023

Day 1: Nov. 4th (Saturday) Topic 主题: MELODY2023

Meeting ID 会议号: 91756179751

Begin Time 开始时间: 2023-11-04T08:30:00

Meeting URL 会议链接:

https://zoom.us/j/91756179751?pwd=N05WSXIMK0c2ZVh1cURUYjhseXRUUT09

Password 会议密码: 202311

Day 2: Nov. 5th (Sunday)

Topic 主题: MELODY2023 Meeting ID 会议号: 93864751381

Wiccing ID 公伙与. 75004751501

Begin Time 开始时间: 2023-11-05T08:30:00

Meeting URL 会议链接:

https://zoom.us/j/93864751381?pwd=cE5TTzJGQ2EzS3FoYIFMdE1Ra3ZXUT09

Password 会议密码: 202311

Day 3: Nov.6th (Monday)

Topic 主题: MELODY2023

Meeting ID 会议号: 95948860295

Begin Time 开始时间: 2023-11-06T08:30:00

Meeting URL 会议链接:

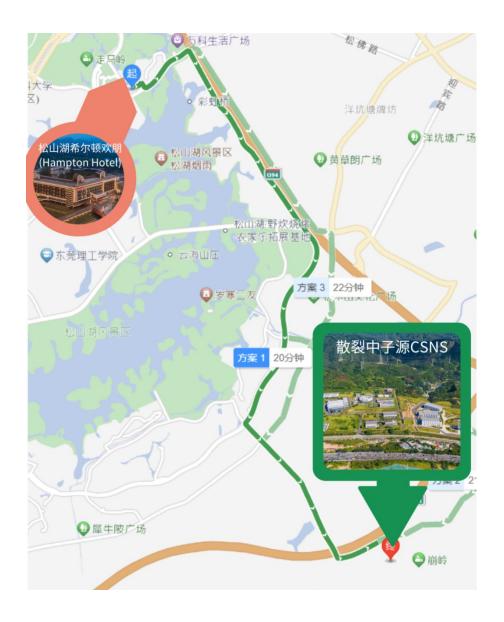
https://zoom.us/j/95948860295?pwd=UFZGdHlid01LUS9ZekxUQUVRcUQzdz09

Password 会议密码: 202311

Area Map

<u>Tips:</u> A shuttle bus will be arranged between the hotel and CSNS venue on a particular time.

	Shuttle Bus Timetable	
Date	Time	Departure from
4 th Nov. (Saturday)	8:15 a.m.	Hampton Hotel
	5:30 p.m.	CSNS
5 th Nov. (Sunday)	8:30 a.m.	Hampton Hotel
	7:00 p.m.	CSNS
6 th Nov. (Monday)	8:30 a.m.	Hampton Hotel
	7:00 p.m.	CSNS

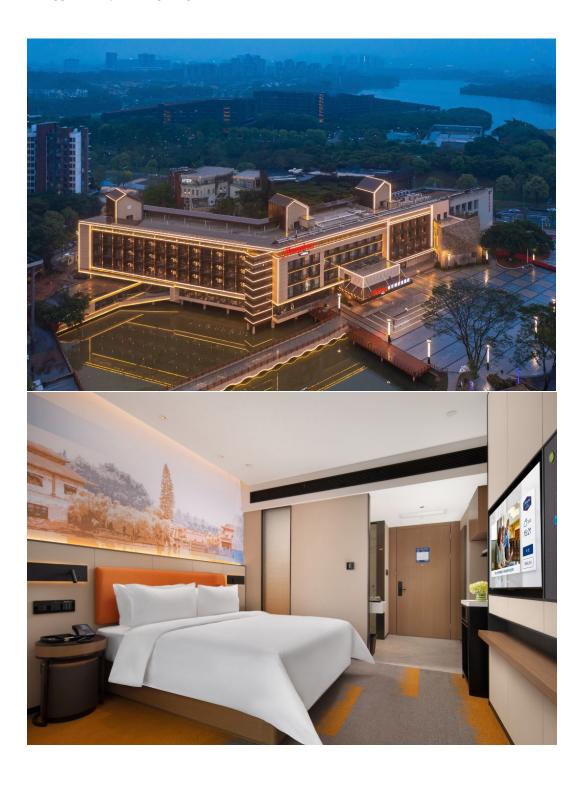


Accommodation

Hampton by Hilton Dongguan Songshan Lake

Address: Building 3 and 4, Songke Garden, Libin Road, Songshan Lake High-tech Zone,

Dongguan City, Guangdong Province



WIFI Connection

- Step 1:Select the WIFI named "IHEP";
- Step 2: login website page: network.csns.ihep.ac.cn;
- Step 2: Select "Meeting ID" and check the box of the agreement, and then click "Continue";



Step 3: Input the Meeting ID: MELODY2023 to connect.

If you have any problem with the network connection, please inform the meeting Staff.

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MELODY 2023

Thank you for attending