

**International Workshop on Muon Physics at
the Intensity and Precision Frontiers
(MIP2026)**

Zhonghai Hilton Hotel , Huizhou

Institute of Modern Physics, Chinese Academy of Sciences

April 24 – 28, 2026
Huizhou, China

Scientific Program

Day 1, April 25, 2026 (UNIVERSAL BALLROOM) 14+1 ZOOM meeting room: 525 649 3944 Password: 123456			
Time	No.	Topic	Speaker & Affiliation
Session 1 Chair: Hongwei Zhao			
08:30 - 08:45	1	Opening Remarks	IMP, CAS
08:45 - 09:15	2	Progress and status of HIAF project	Jiancheng Yang (IMP, CAS)
09:15 - 09:45	3	The GeV Muon Beam at the HIAF Facility: Opportunities for Muon Physics	Liangwen Chen (IMP, CAS)
09:45 - 10:15	4	Status of MELODY	Yu Bao / Chen Wu (CSNS, IHEP)
10:15 - 10:45		Coffee Break & Group Photo	(30 mins)
Session 2 Chair: TBD			
10:45 - 11:15	5	Development Progress of CiADS Muon Source	Hanjie Cai (IMP, CAS)
11:15 - 11:45	6	SHINE Muon Source	Jun Kai Ng (SJTU)
11:45 - 12:15	7	PKMu: Probing and Knocking with Muons at Peking University	Qite Li (PKU)
12:15 - 13:00		Lunch Break	(55 mins)
13:00 - 14:00		Poster	(1 h)
Session 3 Chair: TBD			
14:00 - 14:30	8	Muon g-2/EDM at J-PARC	Tsutomu Mibe (KEK) [Online]
14:30 - 15:00	9	Muon g-2 and EDM at FNAL	Yonghao Zeng (SJTU)
15:00 - 15:30	10	muEDM at PSI	Philipp Schmidt-Wellenburg (PSI) [Online]
15:30 - 15:50		Coffee Break	(20 mins)
Session 4 Chair: TBD			
15:50 - 16:20	11	Muon Collider	Daniel Schulte (CERN) [Online]
16:20 - 16:50	12	Mu2e	Zhenyun You (SYSU)
16:50 - 17:20	13	COMET	Chen Wu (IHEP)
17:20 - 17:50	14	MUonE experiment	Riccardo Pilato (Univ. of Liverpool) [Online]
17:50 - 18:20	15	Muoniverse	Klaus Kirch (PSI) [Online]
18:30		Banquet	

Day 2, April 26, 2026 (UNIVERSAL BALLROOM) 6 ZOOM meeting room: 525 649 3944 Password: 123456			
Time	No.	Topic	Speaker & Affiliation
Session 1 Chair: TBD			
08:30 - 09:00	1	Muon-Induced X-ray Emission (MIXE) at PSI: Technique and Applications	Maxime Lamotte (PSI)
09:00 - 09:30	2	Muonic atom spectroscopy at PSI and the development of the MIXE technique	Issa Briki (PSI)
09:30 - 10:00	3	Nuclear structure effects in muonic atom spectroscopy	Chen Ji (CCNU)
10:00 - 10:20		Coffee Break	(20 mins)
Session 2 Chair: TBD			
10:20 - 10:50	4	Achievements and Future of muSR obtained from RIKEN-RAL	Isao Watanabe (RIKEN)
10:50 - 11:20	5	Spin supersolid and related magnetocaloric effect in a metallic dipolar magnet EuCo ₂ Al ₉	Jie Ma (SJTU)
11:20 - 11:50	6	muSR studies of spin dynamics in frustrated rare-earth magnets	Hanjie Guo (SSLAB)
11:50 - 14:00		Lunch Break	(2h 10m)
Day 2, April 26, 2026 (ZHAOYUN) 7 ZOOM meeting room: 525 649 3944 Password: 123456			
Time	No.	Topic	Speaker & Affiliation
Session 1 Chair: TBD			
14:00 - 14:30	1	Introduction of muSR detection techniques and recent progress	Ziwen Pan (USTC)
14:30 - 15:00	2	μ SR spectrometer design for the first muon facility in China	Qiang Li (IHEP)
15:00 - 15:30	3	Conceptual Design of muSR Spectrometer for CiADS-MuST	Rong Wang (IMP, CAS)
15:30 - 15:50		Coffee Break	(20 mins)
Session 2 Chair: TBD			
15:50 - 16:20	4	Origins of spontaneous magnetic fields in Sr ₂ RuO ₄	Vadim Grinenko (SJTU)
16:20 - 16:50	5	Superconducting and magnetic properties of pyrochlore CeRu ₂ investigated by muon spin rotation/relaxation	Xin Li (INPC, CAEP)
16:50 - 17:20	6	Proximal Quantum Spin Liquid in One-Dimensional Spin-1/2 Metal Ti ₄ MnBi ₂	Xiyang Li (IOP, CAS)

17:20-17:50	7	Recent Advances in Novel Quantum Materials Explored through MuSR Measurements	Guoqiang Zhao (IOP, CAS)
18:00		Dinner	
Day 2, April 26, 2026 (YUYA&HEWU) 7 ZOOM meeting room: 974 5334 0920 Password: 836591			
Time	N o.	Topic	Speaker & Affiliation
Session 1 Chair: TBD			
14:00 - 14:30	1	Muon-catalyzed Fusion (μ CF)	Tingting Sun (ZZU)
14:30 - 15:00	2	A Proposal for Muon-Catalyzed Nuclear Fusion at CiADS (μ CF)	Xiong Yin (CGN)
15:00 - 15:30	3	MIXE Spectrometer based on CZT and HPGe	You Lyu (CSNS, IHEP)
15:30 - 16:00	4	Towards Precision X-ray Spectroscopy of Muonic Atoms to test QED beyond Schwinger limit at CiADS	Weiqiang Wen (IMP, CAS)
16:00 - 16:15		Coffee Break	(15 mins)
Session 2 Chair: TBD			
16:15 - 16:30	1	Search for light Dark Sectors with GeV Muon Beams	Zijian Wang (PKU)
16:30 - 16:45	2	Millimeter-Resolution Cosmic-Ray Imaging via Projection-Shifted Muon Transmission Tomography	Zibo Qin (PKU)
16:45 - 17:00	3	Revisit to the beam transportations of J-PARC by Monte Carlo Simulations	Phanthip Jaikaew (CMU)
17:00 - 17:15	4	Study of the Liquid Lithium Jet as a Muon Source Target	Jianwei Niu (IMP, CAS)
17:15 - 17:30	5	Muon beamline optimization based on AI	Cong Chen (IHEP)
17:30 - 17:50	6	A Next-Generation Muon $g-2$ Measurement at Sub-0.1 ppm Precision	Ce Zhang (Univ. of Liverpool) [Online]
18:00		Dinner	

Day 3, April 27, 2026 (UNIVERSAL BALLROOM) 6			
ZOOM meeting room: 525 649 3944			
Password: 123456			
Time	No	Topic	Speaker & Affiliation
Session 1 Chair: TBD			
08:30 - 09:00	1	DREAMuS: Searching for Muon-philic Dark Matter at HIAF	Xiang Chen (SJTU)
09:00 - 09:30	2	LUNE: a muon-nuclear fixed target experiment at HIAF	Hang Yin (CCNU)
09:30-10:00	3	Conceptual Design of the Muonium-to-Antimuonium Conversion Experiment (MACE)	Siyuan Chen (SYSU)
10:00 - 10:20		Coffee break	(20 mins)
10:20 - 10:50	4	Muon Cooling Channel Design for a Muon Collider	Ruihu Zhu (IMP, CAS)
10:50 - 11:20	5	Development progress of TES microcalorimeter in IMP and measurement plan for muon-atoms	Shuo Zhang (IMP, CAS)
11:20 - 11:50	6	3D Magnetic Field Reconstruction via PINN	Bingzhi Li (Zhejiang Lab)
12:00		Lunch	

Day 3, April 27, 2026 (Visit CiADS)			
Time	No.	Topic	Speaker & Affiliation
14:00-19:00		Visit HIAF and CiADS (By Bus)	He Zhao & Hanjie Cai