

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



Report of Contributions

Contribution ID : 32

Type : **not specified**

Opening Remarks

Presenter(s): LEADER, (IMP,CAS)

Contribution ID : 33

Type : **not specified**

Opening Remarks

Saturday, 25 April 2026 08:30 (15)

Presenter(s) : LEADER (IMP, CAS)

Contribution ID : 34

Type : **not specified**

Progress and status of HIAF project

Saturday, 25 April 2026 08:45 (30)

Presenter(s) : JIANCHENG YANG (IMP, CAS)

Contribution ID : 35

Type : **not specified**

The GeV Muon Beam at the HIAF Facility: Opportunities for Muon Physics

Saturday, 25 April 2026 09:15 (30)

Presenter(s) : LIANGWEN CHEN (IMP, CAS)

Contribution ID : 36

Type : **not specified**

Status of MELODY

Saturday, 25 April 2026 09:45 (30)

Presenter(s) : YU BAO / CHEN WU (CSNS, IHEP)

Contribution ID : 37

Type : **not specified**

Development Progress of CiADS Muon Source

Saturday, 25 April 2026 10:45 (30)

Presenter(s) : HANJIE CAI (IMP, CAS)

Contribution ID : **38**

Type : **not specified**

SHINE Muon Source

Saturday, 25 April 2026 11:15 (30)

Presenter(s) : JUN KAI NG (SJTU)

Contribution ID : 39

Type : **not specified**

PKMu: Probing and Knocking with Muons at Peking University

Saturday, 25 April 2026 11:45 (30)

Presenter(s) : QITE LI (PKU)

Contribution ID : **40**

Type : **not specified**

Poster

Saturday, 25 April 2026 13:10 (50)

Contribution ID : 41

Type : **not specified**

Muon g-2 and EDM at FNAL

Saturday, 25 April 2026 14:00 (30)

Presenter(s) : YONGHAO ZENG (SJTU)

Contribution ID : 42

Type : **not specified**

Muon g-2/EDM at J-PARC

Saturday, 25 April 2026 14:30 (30)

Presenter(s) : TSUTOMU MIBE (KEK) [ONLINE]

Contribution ID : 43

Type : **not specified**

muEDM at PSI

Saturday, 25 April 2026 15:00 (30)

Presenter(s) : PHILIPP SCHMIDT-WELLENBURG (PSI) [ONLINE]

Contribution ID : 44

Type : **not specified**

Muon Collider

Saturday, 25 April 2026 15:50 (30)

Presenter(s) : DANIEL SCHULTE (CERN) [ONLINE]

Contribution ID : 45

Type : **not specified**

Mu2e

Saturday, 25 April 2026 16:20 (30)

Presenter(s) : ZHENYUN YOU (SYSU)

Contribution ID : 46

Type : **not specified**

COMET

Saturday, 25 April 2026 16:50 (30)

Presenter(s) : CHEN WU (IHEP)

Contribution ID : 47

Type : **not specified**

MUonE experiment

Saturday, 25 April 2026 17:20 (30)

Presenter(s) : RICCARDO PILATO (UNIV. OF LIVERPOOL) [ONLINE]

Contribution ID : 48

Type : **not specified**

Muoniverse

Saturday, 25 April 2026 17:50 (30)

Presenter(s) : KLAUS KIRCH (PSI) [ONLINE]

Contribution ID : 49

Type : **not specified**

Muon-Induced X-ray Emission (MIXE) at PSI: Technique and Applications

Sunday, 26 April 2026 08:30 (30)

Presenter(s) : MAXIME LAMOTTE (PSI)

Contribution ID : 50

Type : **not specified**

Muonic atom spectroscopy at PSI and the development of the MIXE technique

Sunday, 26 April 2026 09:00 (30)

Presenter(s) : ISSA BRIKI (PSI)

Contribution ID : 51

Type : **not specified**

Nuclear structure effects in muonic atom spectroscopy

Sunday, 26 April 2026 09:30 (30)

Presenter(s) : CHEN JI (CCNU)

Contribution ID : 52

Type : **not specified**

Achievements and Future of muSR obtained from RIKEN-RAL

Sunday, 26 April 2026 10:20 (30)

Presenter(s) : ISAO WATANABE (RIKEN)

Contribution ID : 53

Type : **not specified**

Spin supersolid and related magnetocaloric effect in a metallic dipolar magnet EuCo_2Al_9

Sunday, 26 April 2026 10:50 (30)

Presenter(s) : JIE MA (SJTU)

Contribution ID : 54

Type : **not specified**

muSR studies of spin dynamics in frustrated rare-earth magnets

Sunday, 26 April 2026 11:20 (30)

Presenter(s) : HANJIE GUO (SSLAB)

Contribution ID : 55

Type : **not specified**

Introduction of muSR detection techniques and recent progress

Presenter(s) : ZIWEN PAN (USTC)

Contribution ID : 56

Type : **not specified**

A Proposal for Muon-Catalyzed Nuclear Fusion at CiADS (μ CF)

Presenter(s) : XIONG YIN (CGN)

Contribution ID : 57

Type : **not specified**

μ SR spectrometer design for the first muon facility in China

Presenter(s) : QIANG LI (IHEP)

Contribution ID : 58

Type : **not specified**

Introduction of muSR detection techniques and recent progress

Sunday, 26 April 2026 14:00 (30)

Presenter(s) : ZIWEN PAN (USTC)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : 59

Type : **not specified**

μ SR spectrometer design for the first muon facility in China

Sunday, 26 April 2026 14:30 (30)

Presenter(s) : QIANG LI (IHEP)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : **60**

Type : **not specified**

muSR Spectrometer based on LGAD

Sunday, 26 April 2026 15:00 (15)

Presenter(s) : MEICHAN FENG(CSNS, IHEP)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : 61

Type : **not specified**

Conceptual Design of muSR Spectrometer for CiADS-MuST

Sunday, 26 April 2026 15:15 (25)

Presenter(s) : RONG WANG (IMP, CAS)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : 62

Type : **not specified**

Origins of spontaneous magnetic fields in Sr₂RuO₄

Sunday, 26 April 2026 15:55 (30)

Presenter(s) : VADIM GRINENKO (SJTU)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : 63

Type : **not specified**

Superconducting and magnetic properties of pyrochlore CeRu₂ investigated by muon spin rotation/relaxation

Sunday, 26 April 2026 16:25 (30)

Presenter(s) : XIN LI (INPC, CAEP)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : 64

Type : **not specified**

Proximal Quantum Spin Liquid in One-Dimensional Spin-1/2 Metal Ti_4MnBi_2

Sunday, 26 April 2026 16:55 (30)

Presenter(s) : XIYANG LI (IOP, CAS)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : 65

Type : **not specified**

Recent Advances in Novel Quantum Materials Explored through MuSR Measurements

Sunday, 26 April 2026 17:25 (30)

Presenter(s) : GUOQIANG ZHAO (IOP, CAS)

Session Classification : Parallel session 1 (ZHAOYUN)

Contribution ID : 66

Type : **not specified**

A Proposal for Muon-Catalyzed Nuclear Fusion at CiADS (μ CF)

Sunday, 26 April 2026 14:30 (30)

Presenter(s) : XIONG YIN (CGN)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 67

Type : **not specified**

MIXE Spectrometer based on CZT and HPGe

Sunday, 26 April 2026 15:00 (30)

Presenter(s) : YOU LYU (CSNS, IHEP)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 68

Type : **not specified**

Towards Precision X-ray Spectroscopy of Muonic Atoms to test QED beyond Schwinger limit at CiADS

Sunday, 26 April 2026 15:30 (30)

Presenter(s) : WEIQIANG WEN (IMP, CAS)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : **69**

Type : **not specified**

Search for light Dark Sectors with GeV Muon Beams

Sunday, 26 April 2026 16:15 (15)

Presenter(s) : ZIJIAN WANG (PKU)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 70

Type : **not specified**

Millimeter-Resolution Cosmic-Ray Imaging via Projection-Shifted Muon Transmission Tomography

Sunday, 26 April 2026 16:30 (15)

Presenter(s) : ZIBO QIN (PKU)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 71

Type : **not specified**

Revisit to the beam transportations of J-PARC by Monte Carlo Simulations

Sunday, 26 April 2026 16:45 (15)

Presenter(s) : PHANTHIP JAIKAEW (CMU)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 72

Type : **not specified**

Study of the Liquid Lithium Jet as a Muon Source Target

Sunday, 26 April 2026 17:00 (15)

Presenter(s) : JIANWEI NIU (IMP, CAS)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 73

Type : **not specified**

Muon beamline optimization based on AI

Sunday, 26 April 2026 17:15 (15)

Presenter(s) : CONG CHEN (IHEP)

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 74

Type : **not specified**

A Next-Generation Muon $g-2$ Measurement at Sub-0.1 ppm Precision

Sunday, 26 April 2026 17:30 (20)

Presenter(s) : CE ZHANG (UNIV. OF LIVERPOOL) [ONLINE]

Session Classification : Parallel session 2 (YUYA&HEWU)

Contribution ID : 75

Type : **not specified**

DREAMuS: Searching for Muon-philic Dark Matter at HIAF

Monday, 27 April 2026 08:30 (30)

Presenter(s) : XIANG CHEN (SJTU)

Contribution ID : 76

Type : **not specified**

LUNE: a muon-nuclear fixed target experiment at HIAF

Monday, 27 April 2026 09:00 (30)

Presenter(s): HANG YIN (CCNU)

Contribution ID : 77

Type : **not specified**

Conceptual Design of the Muonium-to-Antimuonium Conversion Experiment (MACE)

Monday, 27 April 2026 09:30 (30)

Presenter(s) : SIYUAN CHEN (SYSU)

Contribution ID : 78

Type : **not specified**

Muon Cooling Channel Design for a Muon Collider

Monday, 27 April 2026 10:20 (30)

Presenter(s) : RUIHU ZHU (IMP, CAS)

Contribution ID : 79

Type : **not specified**

Development progress of TES microcalorimeter in IMP and measurement plan for muon-atoms

Monday, 27 April 2026 10:50 (30)

Presenter(s) : SHUO ZHANG (IMP, CAS)

Contribution ID : **80**

Type : **not specified**

3D Magnetic Field Reconstruction via PINN

Monday, 27 April 2026 11:20 (30)

Presenter(s) : BINGZHI LI (ZHEJIANG LAB)

Contribution ID : 81

Type : **not specified**

Visit HIAF and CiADS (By Bus)

Monday, 27 April 2026 14:00 (300)

Presenter(s) : HE ZHAO & HANJIE CAI