

Workshop on Muon Science Technology and Industry

Report of Contributions

Contribution ID: 22

Type: **not specified**

Registration

Contribution ID: 23

Type: **not specified**

Opening remarks

Saturday, 4 November 2023 09:00 (10 minutes)

Presenter: Dr LIANG, Tianjiao (CSNS)

Contribution ID: 24

Type: **not specified**

CSNS accelerator system and upgrade

Saturday, 4 November 2023 09:10 (25 minutes)

Presenter: Dr LIU, Huachang (高能所)

Contribution ID: 25

Type: **not specified**

Design of MELODY and future

Saturday, 4 November 2023 09:35 (35 minutes)

Presenter: Dr BAO, Yu (CSNS)

Contribution ID: 26

Type: **not specified**

Prospects for a kHz-MHz repetition rate pulsed muon beam in the Shanghai SHINE facility

Saturday, 4 November 2023 10:10 (35 minutes)

Presenter: Prof. KHAW, Kim Siang (SJTU)

Contribution ID: 27

Type: **not specified**

Coffe Break & Photo

Saturday, 4 November 2023 10:45 (20 minutes)

Contribution ID: 28

Type: **not specified**

An efficient high power proton accelerator and its possible muon application

Saturday, 4 November 2023 11:05 (35 minutes)

Presenter: ZHANG, Tianjue

Contribution ID: 29

Type: **not specified**

CiADS and Its Plan of Muon Source

Saturday, 4 November 2023 11:40 (35 minutes)

Presenter: Dr HE, Yuan

Contribution ID: **30**

Type: **not specified**

Lunch

Saturday, 4 November 2023 12:15 (1h 30m)

Contribution ID: **31**

Type: **not specified**

Muon particle physics experiments

Saturday, 4 November 2023 13:45 (35 minutes)

Presenter: Prof. KUNO, Yoshitaka

Contribution ID: 32

Type: **not specified**

New Physics Potential from Muon g-2 Experiment at Fermilab

Saturday, 4 November 2023 14:20 (35 minutes)

Presenter: Prof. LI, Liang (SJTU)

Contribution ID: 33

Type: **not specified**

The nuts and bolts of muon precession frequency measurements in the Fermilab Muon g-2 experiment

Saturday, 4 November 2023 14:55 (35 minutes)

Presenter: Prof. KHAW, Kim Siang (SJTU)

Contribution ID: **34**

Type: **not specified**

Coffe Break

Saturday, 4 November 2023 15:30 (15 minutes)

Contribution ID: 35

Type: **not specified**

Studies on 3D spiral injection for compact storage rings

Saturday, 4 November 2023 15:45 (25 minutes)

Withdrawn

Presenter: Dr REHMAN, Muhammad Abdul (高能所)

Contribution ID: 36

Type: **not specified**

Searching for a permanent muon electric dipole moment in the PSI muEDM experiment

Saturday, 4 November 2023 16:10 (30 minutes)

Presenter: Prof. KHAW, Kim Siang

Contribution ID: 37

Type: **not specified**

Status of the COMET Experiment at J-PARC

Saturday, 4 November 2023 16:40 (25 minutes)

Presenter: Dr WU, Chen

Contribution ID: **38**

Type: **not specified**

DISCUSSION:Muon particle physics in future facilities

Saturday, 4 November 2023 17:05 (25 minutes)

Contribution ID: 39

Type: **not specified**

History of muSR

Sunday, 5 November 2023 09:00 (35 minutes)

Presenter: Dr BREWER, Jess

Contribution ID: 40

Type: **not specified**

muSR Investigation of Bulk Form Magnetic Semiconductors

Sunday, 5 November 2023 09:35 (30 minutes)

Presenter: Prof. NING, Fanlong

Contribution ID: 41

Type: **not specified**

Exploration of quantum spin liquid ground state by MuSR

Sunday, 5 November 2023 10:05 (30 minutes)

Presenter: Prof. SHU, Lei

Contribution ID: 42

Type: **not specified**

Coffe Break

Sunday, 5 November 2023 10:35 (15 minutes)

Contribution ID: 43

Type: **not specified**

Surface muon beamline and sample environments at J-PARC MLF

Sunday, 5 November 2023 10:50 (35 minutes)

Presenter: Dr KODA, Akihiro

Contribution ID: 44

Type: **not specified**

MuSR study on the magnetism frustrated systems with triangular lattice and honeycomb lattice

Sunday, 5 November 2023 11:25 (30 minutes)

Presenter: LIN, Gaoting

Contribution ID: 46

Type: **not specified**

Lunch

Sunday, 5 November 2023 12:25 (1h 35m)

Contribution ID: 47

Type: **not specified**

Status of the Swiss Muon Source

Sunday, 5 November 2023 14:00 (35 minutes)

Presenter: PROKSCHA, Thomas

Contribution ID: 48

Type: **not specified**

The ultra-slow muon facility at J-PARC MUSE

Sunday, 5 November 2023 14:35 (25 minutes)

Presenter: KANDA, Sohtaro

Contribution ID: 49

Type: **not specified**

Muon cooling based on frictional cooling

Sunday, 5 November 2023 15:00 (25 minutes)

CSNS Beam Expanded Applications Group

Presenter: Dr LI, Yang (高能所)

Contribution ID: 50

Type: **not specified**

Coffee Break

Contribution ID: 51

Type: **not specified**

Target design of MELODY

Presenter: LIU, Lei

Contribution ID: 52

Type: **not specified**

Beamline design of MELODY

Presenter: Dr LIU, Guangdong (高能所)

Contribution ID: 53

Type: **not specified**

Beam measurement of MELODY

Presenter: Dr LV, You

Contribution ID: 54

Type: **not specified**

Spectrometer design of MELODY

Presenter: Dr LI, Qiang (高能所)

Contribution ID: 55

Type: **not specified**

DISCUSSION: muSR applications for MELODY

Contribution ID: 56

Type: **not specified**

The ISIS muon facility now and into the future

Monday, 6 November 2023 16:30 (25 minutes)

Presenter: Dr STEWART, Rhea (ISIS)

Contribution ID: 57

Type: **not specified**

The muon facility of MLF J-PARC

Monday, 6 November 2023 09:00 (35 minutes)

Presenter: Dr KAWAMURA, Naritoshi

Contribution ID: 59

Type: **not specified**

Coffee Break

Monday, 6 November 2023 10:35 (15 minutes)

Contribution ID: **60**

Type: **not specified**

Physical design of a novel MuMubar spectrometer

Monday, 6 November 2023 10:10 (25 minutes)

Presenter: Dr GUO, Yuhang (CSNS)

Contribution ID: 61

Type: **not specified**

Simulation study of imaging widgets with CSNS muon beam

Monday, 6 November 2023 11:15 (25 minutes)

Presenter: Prof. HU, Jifeng

Contribution ID: 62

Type: **not specified**

Feasibility study and preliminary test of a coded aperture based muonic x-ray element imaging method

Monday, 6 November 2023 09:35 (35 minutes)

Presenter: PAN, Ziwen (University of Science and Technology of China)

Contribution ID: **63**

Type: **not specified**

Lunch

Monday, 6 November 2023 12:05 (1h 55m)

Contribution ID: 64

Type: **not specified**

MuSR as a primary tool to search for superconductors with broken time-reversal symmetry

Monday, 6 November 2023 14:00 (30 minutes)

Presenter: Dr GRINENKO, Vadim (SJTU)

Contribution ID: 65

Type: **not specified**

Neutron diffraction and muSR studies on several quantum magnetic systems

Monday, 6 November 2023 14:30 (30 minutes)

Presenter: Dr LI, Shiliang (Institute of Physics, Chinese Academy of Sciences)

Contribution ID: 67

Type: **not specified**

Study of metal halide perovskite materials by low energy uSR

Monday, 6 November 2023 16:00 (30 minutes)

Presenter: Dr NI, Xiaojie (USTC)

Contribution ID: **68**

Type: **not specified**

Coffee Break

Monday, 6 November 2023 15:30 (30 minutes)

Contribution ID: 69

Type: **not specified**

Development and experimental study of the high spatial resolution muon imaging prototypes with Micromegas detectors

Monday, 6 November 2023 11:40 (25 minutes)

Presenter: Dr WANG, Yu

Contribution ID: 70

Type: **not specified**

R&D of cosmic muon imaging based on RPC

Monday, 6 November 2023 10:50 (25 minutes)

Presenter: Prof. LI, Qite

Contribution ID: 71

Type: **not specified**

DISCUSSION: multidisciplinary applications

Monday, 6 November 2023 16:55 (35 minutes)

Contribution ID: 72

Type: **not specified**

Coffee Break

Sunday, 5 November 2023 15:25 (15 minutes)

Contribution ID: 73

Type: **not specified**

Target design of MELODY

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Presenter: LIU, Lei

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Beamline design of MELODY

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Presenter: Dr LIU, Guangdong

Contribution ID: 75

Type: **not specified**

Beam measurement of MELODY

Sunday, 5 November 2023 16:30 (25 minutes)

Presenter: Dr LV, You

Contribution ID: 76

Type: **not specified**

Spectrometer design of MELODY

Sunday, 5 November 2023 16:55 (25 minutes)

Presenter: Dr LI, Qiang (高能所)

Contribution ID: 77

Type: **not specified**

DISCUSSION: muSR applications for MELODY

Sunday, 5 November 2023 17:20 (25 minutes)

Contribution ID: 78

Type: **not specified**

Persistent spin dynamics in magnetically ordered honeycomb cobalt oxides

Monday, 6 November 2023 15:00 (30 minutes)

Presenter: Dr MIAO, Ping

Contribution ID: 80

Type: **not specified**

Investigating the electronic correlated materials using muon spin spectroscopy

Sunday, 5 November 2023 11:55 (30 minutes)

Presenter: Prof. SHANG, Tian (ECNU)