

SJTU-KEK Muon Physics Exchange Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening remarks

Monday, 29 August 2022 08:50 (10 minutes)

Presenters: KHAW, Kim Siang (TDLI/SJTU); Prof. LI, Liang (Shanghai Jiao Tong University); Prof. MIBE, Tsutomu (KEK)

Contribution ID: 2

Type: **not specified**

Overview of Field Analysis in the Fermilab Muon $g-2$ experiment

Monday, 29 August 2022 09:00 (30 minutes)

Presenter: Dr LI, Bingzhi (SJTU)

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: 3

Type: **not specified**

Overview of the Precession Frequency Analysis in the Fermilab Muon g-2 experiment

Monday, 29 August 2022 09:30 (30 minutes)

Presenter: Dr CHEN, Cheng (Shanghai Jiao Tong University)

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: 4

Type: **not specified**

Overview of Corrections to Precession Frequency Analysis in the Fermilab Muon g-2 experiment

Monday, 29 August 2022 10:00 (30 minutes)

Presenter: Prof. KHAW, Kim Siang (TDLI/SJTU)

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: 5

Type: **not specified**

Status of Muon EDM Search in the Fermilab Muon g-2 experiment

Monday, 29 August 2022 10:30 (30 minutes)

Presenter: HU, Tianqi

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: 6

Type: **not specified**

Status of the Muon Polarization Monitor

Monday, 29 August 2022 11:00 (30 minutes)

Presenter: LV, Meng

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: 7

Type: **not specified**

Development of thermal muon source

Monday, 29 August 2022 14:05 (30 minutes)

Presenter: Dr KAMIOKA , Shusei (KEK)

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: 8

Type: **not specified**

Demonstration of thermal muon source and upgrade ideas

Monday, 29 August 2022 14:35 (30 minutes)

Presenter: Mr ZHANG, Ce (Peking University)

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Contribution ID: 9

Type: **not specified**

Development of positron tracking detector

Monday, 29 August 2022 15:05 (30 minutes)

Presenter: OKAZAKI, Yuuta (KEK/University of Tokyo)

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: **10**

Type: **not specified**

Development of spiral injection

Monday, 29 August 2022 15:35 (30 minutes)

Presenter: MATSUSHITA, Ryota (KEK/University of Tokyo)

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Contribution ID: 11

Type: **not specified**

KEK/J-PARC Talk 5

Contribution ID: 12

Type: **not specified**

Discussion on future collaboration

Monday, 29 August 2022 16:25 (45 minutes)

Contribution ID: 13

Type: **not specified**

Closing remarks

Monday, 29 August 2022 17:10 (20 minutes)

Contribution ID: 14

Type: **not specified**

Muon lifetime measurement in Muon g-2 experiment

Monday, 29 August 2022 13:00 (1 hour)

Presenter: LU, Zejia (SJTU)

Session Classification: Poster session

Contribution ID: 15

Type: **not specified**

Machine learning techniques for Muon g-2 simulation

Monday, 29 August 2022 13:00 (1 hour)

Presenter: Mr NG, Jun Kai (Shanghai Jiao Tong University)

Session Classification: Poster session

Contribution ID: 16

Type: **not specified**

ToyMC assisted precession frequency analysis

Monday, 29 August 2022 13:00 (1 hour)

Presenter: ZENG, Yonghao

Session Classification: Poster session

Contribution ID: 17

Type: **not specified**

Pileup construction and systematics estimation

Monday, 29 August 2022 13:00 (1 hour)

Presenter: HU, Yuekai

Session Classification: Poster session

Contribution ID: **18**

Type: **not specified**

Muon source based on accelerator electrons

Monday, 29 August 2022 13:00 (1 hour)

Presenter: WANG, Jiangtao (UPC)

Session Classification: Poster session

Contribution ID: 19

Type: **not specified**

Studies on error field in storage ring and field measurement

Monday, 29 August 2022 13:00 (1 hour)

Presenter: OYAMA, Shun (KEK/University of Tokyo)

Session Classification: Poster session

Contribution ID: 20

Type: **not specified**

Magnetic field monitors for thermal muon source

Monday, 29 August 2022 13:00 (1 hour)

Presenter: ARITOME, Shoichi (KEK/University of Tokyo)

Session Classification: Poster session

Contribution ID: 21

Type: **not specified**

On the possibility of muon lifetime measurement at J-PARC

Monday, 29 August 2022 16:05 (20 minutes)

Presenter: OGAWA, Shinji

Session Classification: SJTU-KEK Muon Physics Exchange

Contribution ID: 22

Type: **not specified**

Current status of J-PARC Muon g-2/EDM experiment

Monday, 29 August 2022 14:00 (5 minutes)

Presenter: Prof. MIBE, Tsutomu (KEK)

Session Classification: SJTU-KEK Muon Physics Exchange