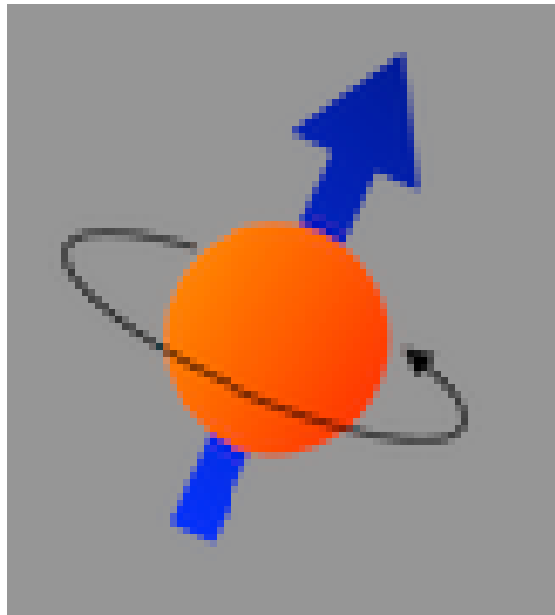


Seventh plenary workshop of the muon $g-2$ theory initiative



Report of Contributions

Contribution ID: 2

Type: **not specified**

FermiLab

Monday, 9 September 2024 08:45 (30 minutes)

Presenter: BOTTALICO, Elia

Session Classification: Experiment Updates

Contribution ID: 3

Type: **not specified**

J-PARC

Monday, 9 September 2024 09:15 (30 minutes)

Presenter: KIMURA, Masato

Session Classification: Experiment Updates

Contribution ID: 4

Type: **not specified**

Experimental Inputs for HVP by CMD-3

Monday, 9 September 2024 10:25 (30 minutes)

Presenter: LOGASHENKO, Vanya

Session Classification: Data Driven Approach to HVP

Contribution ID: 5

Type: **not specified**

Experimental Inputs for HVP by BaBar

Monday, 9 September 2024 10:55 (30 minutes)

Presenter: POLAT, Leonard

Session Classification: Data Driven Approach to HVP

Contribution ID: 6

Type: **not specified**

Experimental Inputs for HVP by SND

Monday, 9 September 2024 11:25 (30 minutes)

Presenters: KUPICH, Andrey; DRUZHININ, Vladimir

Session Classification: Data Driven Approach to HVP

Contribution ID: 7

Type: **not specified**

Experimental Inputs for HVP by KLOE

Monday, 9 September 2024 13:30 (30 minutes)

Presenter: ZAID, Estifa'a

Session Classification: Data Driven Approach to HVP

Contribution ID: 8

Type: **not specified**

Experimental Inputs for HVP by Belle II

Monday, 9 September 2024 14:00 (30 minutes)

Presenter: LIU, Qingyuan

Session Classification: Data Driven Approach to HVP

Contribution ID: 9

Type: **not specified**

Experimental Inputs for HVP by BES III

Monday, 9 September 2024 14:30 (30 minutes)

Presenter: ALIBERTI, Riccardo

Session Classification: Data Driven Approach to HVP

Contribution ID: **10**

Type: **not specified**

HVP R-ratio by DHMZ

Monday, 9 September 2024 15:30 (30 minutes)

Presenter: MALAESCU, Bogdan

Session Classification: Data Driven Approach to HVP

Contribution ID: 11

Type: **not specified**

HVP R-ratio by KNTW

Monday, 9 September 2024 16:00 (30 minutes)

Presenter: KESHAVARZI, Alex

Session Classification: Data Driven Approach to HVP

Contribution ID: 12

Type: **not specified**

Improved dispersive description of the two-pion HVP contribution (remote)

Monday, 9 September 2024 16:30 (30 minutes)

Primary author: LEPLUMEY, Thomas

Co-author: STOFFER, Peter

Presenter: LEPLUMEY, Thomas

Session Classification: Data Driven Approach to HVP

Contribution ID: 13

Type: **not specified**

Discussion

Monday, 9 September 2024 17:00 (45 minutes)

Session Classification: Data Driven Approach to HVP

Contribution ID: 14

Type: **not specified**

Status and plans for data HVP section

Monday, 9 September 2024 10:15 (10 minutes)

Session Classification: Data Driven Approach to HVP

Contribution ID: 15

Type: **not specified**

The Radio MonteCarLow 2 activities

Tuesday, 10 September 2024 09:00 (30 minutes)

Presenter: ULRICH, Yannick

Session Classification: MC Generators and Radiative Corrections

Contribution ID: 16

Type: **not specified**

Towards NNLO theoretical predictions to radiative return processes

Tuesday, 10 September 2024 09:30 (30 minutes)

Presenter: BOBADILLA, William Torres

Session Classification: MC Generators and Radiative Corrections

Contribution ID: 17

Type: **not specified**

KLOE investigations of of radiative corrections

Tuesday, 10 September 2024 10:30 (30 minutes)

Presenter: VENANZONI, Graziano

Session Classification: MC Generators and Radiative Corrections

Contribution ID: **18**

Type: **not specified**

BESIII investigations of radiative corrections

Tuesday, 10 September 2024 11:00 (30 minutes)

Presenter: DENIG, Achim

Session Classification: MC Generators and Radiative Corrections

Contribution ID: 19

Type: **not specified**

Dispersive analysis of the isospin-breaking corrections to $e^+e^- \rightarrow \pi^+\pi^-$ and $\pi^+\pi^- \rightarrow \pi^+\pi^-$ (remote)

Tuesday, 10 September 2024 13:15 (30 minutes)

Presenter: DE ELVIRA, Jacobo Ruiz

Session Classification: MC Generators and Radiative Corrections

Contribution ID: 20

Type: **not specified**

Discussion

Tuesday, 10 September 2024 13:45 (45 minutes)

Session Classification: MC Generators and Radiative Corrections

Contribution ID: 21

Type: **not specified**

Review of experimental situation and prediction

Tuesday, 10 September 2024 15:00 (30 minutes)

Presenter: ZHANG, Zhiqing

Session Classification: Hadronic Tau Decay

Contribution ID: 22

Type: **not specified**

Isospin corrections on tau from lattice

Tuesday, 10 September 2024 15:30 (30 minutes)

Presenter: BRUNO, Mattia

Session Classification: Hadronic Tau Decay

Contribution ID: 23

Type: **not specified**

Towards a dispersive calculation of isospin-breaking corrections for tau data

Tuesday, 10 September 2024 16:00 (30 minutes)

Presenter: COTTINI, Martina

Session Classification: Hadronic Tau Decay

Contribution ID: 24

Type: **not specified**

Discussion

Tuesday, 10 September 2024 16:30 (45 minutes)

Session Classification: Hadronic Tau Decay

Contribution ID: 25

Type: **not specified**

Status and plans for lattice HVP section

Wednesday, 11 September 2024 09:00 (10 minutes)

Session Classification: HVP Lattice

Contribution ID: 26

Type: **not specified**

Update from BMW

Wednesday, 11 September 2024 09:10 (30 minutes)

Presenter: LELLOUCH, Laurent

Session Classification: HVP Lattice

Contribution ID: 27

Type: **not specified**

Update from Mainz

Wednesday, 11 September 2024 09:40 (30 minutes)

Presenter: KUBERSKI, Simon

Session Classification: HVP Lattice

Contribution ID: 28

Type: **not specified**

Update from RBC/UKQCD

Wednesday, 11 September 2024 10:40 (30 minutes)

Presenter: LEHNER, Christoph

Session Classification: HVP Lattice

Contribution ID: 29

Type: **not specified**

Update from Fermilab/HPQCD/MILC

Wednesday, 11 September 2024 11:10 (30 minutes)

Presenter: LAHERT, Shaun

Session Classification: HVP Lattice

Contribution ID: **30**

Type: **not specified**

Update from ETMC

Wednesday, 11 September 2024 13:30 (30 minutes)

Presenter: WENGER, Urs

Session Classification: HVP Lattice

Contribution ID: 31

Type: **not specified**

Update on the isospin breaking corrections to the HVP with C-periodic boundary conditions

Wednesday, 11 September 2024 14:00 (15 minutes)

Presenter: TAVELLA, Paola

Session Classification: HVP Lattice

Contribution ID: 32

Type: **not specified**

Data-driven determination of the light-quark connected components of the short- and long-distance window contributions to the muon $g-2$

Wednesday, 11 September 2024 14:30 (30 minutes)

Presenter: BOITO, Diogo

Session Classification: HVP Lattice

Contribution ID: 33

Type: **not specified**

Data-driven determination of the light-quark connected components of the short- and long-distance window contributions to the muon $g-2$

Presenter: BOITO, Diogo

Session Classification: HVP Lattice

Contribution ID: 34

Type: **not specified**

Time-kernel for lattice determines of NLO HVP contributes to the muon $g-2$

Wednesday, 11 September 2024 15:00 (30 minutes)

Presenter: LAPORTA, Stefano

Session Classification: HVP Lattice

Contribution ID: 35

Type: **not specified**

Discussion

Wednesday, 11 September 2024 16:00 (1h 15m)

Session Classification: HVP Lattice

Contribution ID: 36

Type: **not specified**

Status and plans for lattice HLbL section

Thursday, 12 September 2024 08:30 (10 minutes)

Session Classification: Hadronic Light-by-Light

Contribution ID: 37

Type: **not specified**

Update from RBC/UKQCD

Thursday, 12 September 2024 08:40 (25 minutes)

Presenter: FENG, Xu

Session Classification: Hadronic Light-by-Light

Contribution ID: **38**

Type: **not specified**

Update from Mainz

Thursday, 12 September 2024 09:05 (20 minutes)

Presenter: MEYER, Harvey

Session Classification: Hadronic Light-by-Light

Contribution ID: 39

Type: **not specified**

Update from ETMC, Status report on the full hadronic light-by-light contribution to the muon $g-2$ using twisted-mass fermions

Thursday, 12 September 2024 09:25 (25 minutes)

Presenter: KALNTIS, Nikolaos

Session Classification: Hadronic Light-by-Light

Contribution ID: 40

Type: **not specified**

Update from BMW

Thursday, 12 September 2024 10:20 (25 minutes)

Presenter: GERARDIN, Antoine

Session Classification: Hadronic Light-by-Light

Contribution ID: 41

Type: **not specified**

Update from Mainz on TFFs

Thursday, 12 September 2024 10:45 (20 minutes)

Presenter: KOPONEN, Jonna

Session Classification: Hadronic Light-by-Light

Contribution ID: 42

Type: **not specified**

Discussion

Thursday, 12 September 2024 11:05 (45 minutes)

Session Classification: Hadronic Light-by-Light

Contribution ID: 43

Type: **not specified**

Experiment overview

Thursday, 12 September 2024 13:20 (30 minutes)

Presenter: PILATO, Riccardo

Session Classification: MUoNE

Contribution ID: 44

Type: **not specified**

Theory overview (+ background calculation)

Thursday, 12 September 2024 13:50 (30 minutes)

Presenter: PICCININI, Fulvio

Session Classification: MUoNE

Contribution ID: 45

Type: **not specified**

BSM Review

Thursday, 12 September 2024 14:20 (30 minutes)

Presenter: ENDO, Motoi

Session Classification: BSM

Contribution ID: 46

Type: **not specified**

Update on QED contributions

Thursday, 12 September 2024 15:20 (20 minutes)

Presenter: NIO, Makiko

Session Classification: QED Contributions to Muon g-2

Contribution ID: 47

Type: **not specified**

QED 5-loop on the lattice

Thursday, 12 September 2024 15:40 (20 minutes)

Presenter: KITANO, Ryuichiro

Session Classification: QED Contributions to Muon g-2

Contribution ID: 48

Type: **not specified**

10th order QED contributions

Thursday, 12 September 2024 16:00 (20 minutes)

Presenter: VOLKOV, Sergey

Session Classification: QED Contributions to Muon g-2

Contribution ID: 49

Type: **not specified**

Memories of Toichiro Kinoshita

Thursday, 12 September 2024 16:20 (30 minutes)

Presenter: NIO, Makiko

Session Classification: Special Session

Contribution ID: 50

Type: **not specified**

Status and plans for analytic HLbL section

Friday, 13 September 2024 09:00 (10 minutes)

Presenter: BIJNENS, Johan

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 51

Type: **not specified**

Experimental inputs (BES III)

Friday, 13 September 2024 09:10 (25 minutes)

Presenter: REDMER, Christoph

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 52

Type: **not specified**

Short-distance constraints in the Melnikov-Vainshtein limit

Friday, 13 September 2024 09:35 (25 minutes)

Presenter: HERMANSSON-TRUEDSSON, Nils

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 53

Type: **not specified**

Update on hQCD

Friday, 13 September 2024 10:30 (25 minutes)

Presenter: REBHAN, Anton

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 54

Type: **not specified**

Update on axial vectors

Friday, 13 September 2024 10:55 (25 minutes)

Presenter: ZILLINGER, Maximilian

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 55

Type: **not specified**

Update on eta, eta' poles

Friday, 13 September 2024 11:20 (25 minutes)

Presenter: HOLZ, Simon

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 56

Type: **not specified**

Dispersive improvement of HLbL in soft kinematics

Friday, 13 September 2024 13:30 (25 minutes)

Presenter: TOELSTEDE, Jan-Niklas

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 57

Type: **not specified**

Discussion

Friday, 13 September 2024 13:55 (45 minutes)

Session Classification: Hadronic Light-by-Light Analytic

Contribution ID: 58

Type: **not specified**

Variance reduction in lattice computations of hadronic vacuum polarization

Wednesday, 11 September 2024 14:15 (15 minutes)

Presenter: GRUBER, Roman

Session Classification: HVP Lattice

Contribution ID: 59

Type: **not specified**

announcements

Monday, 9 September 2024 09:45 (20 minutes)

Session Classification: Break

Contribution ID: **60**

Type: **not specified**

announcements

Monday, 9 September 2024 09:45 (3 minutes)

Contribution ID: **61**

Type: **not specified**

Welcome by the Director General of KEK

Monday, 9 September 2024 13:20 (10 minutes)

Presenter: ASAI, Shoji (KEK)

Contribution ID: **62**

Type: **not specified**

Announcements

Thursday, 12 September 2024 11:50 (3 minutes)

Presenter: MIBE, Tsutomu