

3rd MUonE General Collaboration Meeting

Report of Contributions

Contribution ID: 3

Type: **not specified**

Presentation of T9 beam

Thursday 12 May 2022 09:00 (15 minutes)

Presenter: BANERJEE, Dipanwita (CERN)

Session Classification: ECAL

Contribution ID: 4

Type: **not specified**

The MUonE Tracker Support System

Wednesday 11 May 2022 14:00 (30 minutes)

Presenter: INCAGLI, Marco (Universita & INFN Pisa (IT))

Session Classification: Tracker

Contribution ID: 6

Type: **not specified**

How to proceed to a Proposal of Experiment

Thursday 12 May 2022 16:30 (30 minutes)

Presenter: ALL

Session Classification: Institutional Board Meeting

Contribution ID: 7

Type: **not specified**

Status of MUonE

Wednesday 11 May 2022 10:00 (30 minutes)

Presenter: MARCONI, Umberto (Universita e INFN, Bologna (IT))

Session Classification: Welcome and general overview

Contribution ID: 15

Type: **not specified**

Report on the results of the November '21 tests

Wednesday 11 May 2022 16:30 (30 minutes)

Presenter: PESARESI, Mark (Imperial College (GB))

Session Classification: DAQ

Contribution ID: **16**

Type: **not specified**

The DAQ system, status and required development

Wednesday 11 May 2022 17:00 (30 minutes)

Presenters: HAHN, Kristian (Northwestern University (US)); PESARESI, Mark (Imperial College (GB))

Session Classification: DAQ

Contribution ID: 17

Type: **not specified**

The data quality monitoring system

Wednesday 11 May 2022 17:30 (30 minutes)

Presenter: MAGHERINI, Matteo (Universita e INFN, Perugia (IT))

Session Classification: DAQ

Contribution ID: **18**

Type: **not specified**

Status of the MUonE software

Thursday 12 May 2022 11:00 (15 minutes)

Presenter: KUCHARCZYK, Marcin (Polish Academy of Sciences (PL))

Session Classification: Reconstruction and simulation

Contribution ID: **19**

Type: **not specified**

Simulation and event reconstruction

Thursday 12 May 2022 11:15 (15 minutes)

Presenter: GONCERZ, Mateusz Jacek (Polish Academy of Sciences (PL))

Session Classification: Reconstruction and simulation

Contribution ID: 20

Type: **not specified**

NLO generator for MUonE simulation

Thursday 12 May 2022 11:30 (15 minutes)

Presenter: CARLONI CALAME, Carlo Michel (INFN - National Institute for Nuclear Physics)

Session Classification: Reconstruction and simulation

Contribution ID: **21**

Type: **not specified**

Alignment for MUonE experiment

Thursday 12 May 2022 11:45 (15 minutes)

Presenter: BRUCKMAN DE RENSTROM, Pawel (Polish Academy of Sciences (PL))

Session Classification: Reconstruction and simulation

Contribution ID: 22

Type: **not specified**

Tracker digitization in the MUonE simulation

Thursday 12 May 2022 12:00 (15 minutes)

Presenter: PILATO, Riccardo (Universita & INFN Pisa (IT))

Session Classification: Reconstruction and simulation

Contribution ID: 23

Type: **not specified**

Geant4 Simulation Report

Thursday 12 May 2022 14:00 (15 minutes)

Presenter: ASENOV, Patrick (Universita e INFN, Perugia (IT))

Session Classification: Reconstruction and simulation

Contribution ID: 24

Type: **not specified**

Digitization for the calorimeter

Thursday 12 May 2022 14:15 (15 minutes)

Presenter: GRAY JR, Frederick Earl (Regis University)

Session Classification: Reconstruction and simulation

Contribution ID: 25

Type: **not specified**

Status report on ECAL module

Thursday 12 May 2022 09:15 (15 minutes)

Presenter: CONTI, Enrico (Universita e INFN, Padova (IT))

Session Classification: ECAL

Contribution ID: 26

Type: **not specified**

Plans for test beam at T9

Thursday 12 May 2022 09:30 (15 minutes)

- discussion

Presenter: CONTI, Enrico (Universita e INFN, Padova (IT))

Session Classification: ECAL

Contribution ID: 28

Type: **not specified**

Status of the ECAL acquisition electronics for the July testbeam

Thursday 12 May 2022 10:00 (15 minutes)

(from remote)

Presenter: TRAVAGLINI, Riccardo (INFN, Bologna (IT))

Session Classification: ECAL

Contribution ID: 29

Type: **not specified**

Test beam 2022 readiness

Wednesday 11 May 2022 15:30 (30 minutes)

Presenter: FERRARI, Carlo (Istituto Scienza e Tecnologie dell'Informazione CNR (IT))

Session Classification: Tracker

Contribution ID: **30**

Type: **not specified**

2S Modules assembly

Wednesday 11 May 2022 14:30 (30 minutes)

Presenter: TURRIONI, Cristiano (Universita e INFN, Perugia (IT))

Session Classification: Tracker

Contribution ID: 31

Type: **not specified**

Holographic Alignment Monitor (HAM): demonstrator prototype and implementation for the 2022 TB

Wednesday 11 May 2022 15:00 (30 minutes)

Presenters: ARENA, Aldo (INFN - Sezione di Trieste); CANTATORE, Giovanni (Dipartimento di Fisica - Università di Trieste e I.N.F.N. Sezione di Trieste)

Session Classification: Tracker

Contribution ID: **32**

Type: **not specified**

Status and plans

Thursday 12 May 2022 15:00 (20 minutes)

Presenter: ABBIENDI, Giovanni (Universita e INFN, Bologna (IT))

Session Classification: Analysis

Contribution ID: 33

Type: **not specified**

Template fit of signal and nuisances with Combine

Thursday 12 May 2022 15:20 (20 minutes)

Presenter: PILATO, Riccardo (Universita & INFN Pisa (IT))

Session Classification: Analysis

Contribution ID: 34

Type: **not specified**

Fast simulation study of the Test Run setup (Beam+Tracker+ECAL)

Thursday 12 May 2022 15:40 (20 minutes)

Presenters: SPEDICATO, Eugenia (Universita e INFN, Bologna (IT)); CESARE, Sara (Universita e INFN, Padova (IT))

Session Classification: Analysis

Contribution ID: 35

Type: **not specified**

Invited Talk: Dark Matter search at MUonE

Thursday 12 May 2022 14:30 (30 minutes)

Presenters: SHIH, David (Rutgers Univ. (US)); GALON, Iftah (Technion); GALON, Iftah (Rutgers Univ. (US)); WANG, Isaac (Rutgers Univ. (US))

Session Classification: Analysis

Contribution ID: 36

Type: **not specified**

Progress in Padova: On the analytic evaluation of the 2-loop amplitude

Wednesday 11 May 2022 10:45 (20 minutes)

Presenter: MANOJ, Mandal (University of Padova & INFN Padova (IT))

Session Classification: Theory

Contribution ID: 37

Type: **not specified**

Progress in Pavia

Wednesday 11 May 2022 11:05 (20 minutes)

Presenter: CARLONI CALAME, Carlo (INFN Pavia (IT))

Session Classification: Theory

Contribution ID: **38**

Type: **not specified**

Progress with McMule

Wednesday 11 May 2022 11:25 (20 minutes)

Presenter: ROCCO, Marco (PSI (CH))

Session Classification: Theory

Contribution ID: 39

Type: **not specified**

Higher-order HVP contributions to the muon $g-2$ with MUonE

Wednesday 11 May 2022 11:45 (20 minutes)

Presenter: ELISA BALZANI (University of Padova & INFN Padova (IT))

Session Classification: Theory

Contribution ID: 40

Type: **not specified**

Massive vector form factors to three loops

Wednesday 11 May 2022 12:05 (20 minutes)

Presenter: MATTEO FAEL (KIT (DE))

Session Classification: Theory

Contribution ID: 41

Type: **not specified**

The HVP contribution to the muon $g-2$ on the lattice: status and prospects

Wednesday 11 May 2022 12:25 (20 minutes)

Presenter: MARINKOVIC, Marina (ETH (CH))

Session Classification: Theory

Contribution ID: 42

Type: **not specified**

DAQ commissioning and Energy resolution

Thursday 12 May 2022 09:45 (15 minutes)

Presenter: HALL, Geoff (Imperial College (GB))

Session Classification: ECAL