

**Joint Autumn Meeting of
nuSTORM and UK Muon
Beams Collaboration 2023**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Thursday, 23 November 2023 11:30 (20 minutes)

Presenter: LONG, Ken (Oxford Uni.)

Session Classification: Introduction and Updates

Contribution ID: 2

Type: **not specified**

Facility update

Thursday, 23 November 2023 11:50 (20 minutes)

Presenter: JURJ, Paul

Session Classification: Introduction and Updates

Contribution ID: 3

Type: **not specified**

Simulation Update

Thursday, 23 November 2023 12:10 (20 minutes)

Presenter: KYBERD, Paul (Brunel University)

Session Classification: Introduction and Updates

Contribution ID: 4

Type: **not specified**

Neutrino-nucleus interactions & Transverse Kinematic Imbalance

Thursday, 23 November 2023 13:00 (20 minutes)

Presenter: PFAFF, Marvin

Session Classification: Physics Analysis

Contribution ID: 5

Type: **not specified**

Synthetic Beam

Thursday, 23 November 2023 13:20 (20 minutes)

Presenter: KAMATH, Rohan

Session Classification: Physics Analysis

Contribution ID: 6

Type: **not specified**

Physics Beyond the Standard Model

Thursday, 23 November 2023 13:40 (20 minutes)

Session Classification: Physics Analysis

Contribution ID: 9

Type: **not specified**

Physics case discussion

Thursday, 23 November 2023 15:30 (45 minutes)

Presenters: TURNER, Jessica (Durham University); TURNER, Jessica (Durham University); AL-VAREZ-RUSSO, Luis

Session Classification: Discussion

Contribution ID: **10**

Type: **not specified**

Detector discussion

Thursday, 23 November 2023 16:15 (45 minutes)

Presenter: BOYD, Steve

Session Classification: Discussion

Contribution ID: 11

Type: **not specified**

Overview and Introduction

Friday, 24 November 2023 10:00 (20 minutes)

Presenter: ROGERS, Chris (STFC)

Session Classification: Proton Driver and Target

Contribution ID: 12

Type: **not specified**

Proton Driver longitudinal dynamics

Friday, 24 November 2023 10:30 (20 minutes)

Presenter: KELLIHER, David (STFC)

Session Classification: Proton Driver and Target

Contribution ID: 13

Type: **not specified**

Muon collider target

Friday, 24 November 2023 11:00 (20 minutes)

Presenter: DENSHAM, Chris (STFC)

Session Classification: Proton Driver and Target

Contribution ID: 14

Type: **not specified**

Demonstrator Target

Friday, 24 November 2023 11:30 (20 minutes)

Presenter: JURJ, Paul (Imperial College London)

Session Classification: Proton Driver and Target

Contribution ID: 16

Type: **not specified**

Magnet plans

Friday, 24 November 2023 13:00 (20 minutes)

Presenter: YANG, Yifeng (University of Southampton)

Session Classification: Technologies

Contribution ID: 17

Type: **not specified**

RF plans

Friday, 24 November 2023 13:30 (20 minutes)

Presenters: BURT, Graeme (Cockcroft Inst); Prof. RONALD, Kevin (University of Strathclyde)

Session Classification: Technologies

Contribution ID: **18**

Type: **not specified**

SuperMuSR and Beyond - Beamline, Detector and Readout

Friday, 24 November 2023 14:00 (20 minutes)

Presenter: LORD, James (STFC)

Session Classification: Technologies

Contribution ID: 19

Type: **not specified**

Muon Collider Detector

Friday, 24 November 2023 14:30 (20 minutes)

Presenters: Prof. CERRI, Alessandro (University of Sussex (GB)); KRIZKA, Karol (University of Birmingham)

Session Classification: Technologies

Contribution ID: 20

Type: **not specified**

Application of FFAs to the Muon Collider

Friday, 24 November 2023 15:00 (20 minutes)

Presenter: JOLLY, Carl (STFC)

Session Classification: Technologies

Contribution ID: 22

Type: **not specified**

Beam cooling for MuSR

Friday, 24 November 2023 16:00 (20 minutes)

Presenter: STEWART, Rhea (STFC)

Session Classification: Beam Cooling and Wrap-up

Contribution ID: 23

Type: **not specified**

Beam Physics in the Muon Production System and Wrap-up

Friday, 24 November 2023 16:30 (20 minutes)

Presenter: ROGERS, Chris (STFC)

Session Classification: Beam Cooling and Wrap-up