

# **UK Muon Collider and nuSTORM - 2nd Collaboration Meeting**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Monday, 27 September 2021 13:00 (20 minutes)*

**Presenter:** ROGERS, Chris (STFC)

Contribution ID: 2

Type: **not specified**

## **Potential for physics at a muon collider**

Contribution ID: 3

Type: **not specified**

## **Potential for physics at nuSTORM/eNUBET**

*Monday, 27 September 2021 13:40 (20 minutes)*

**Presenter:** HOSTERT, Matheus

Contribution ID: 4

Type: **not specified**

## **nuSTORM detector**

*Monday, 27 September 2021 14:00 (20 minutes)*

**Presenter:** KYBERD, Paul (Brunel University)

Contribution ID: 5

Type: **not specified**

## **Muon collider detector**

*Monday, 27 September 2021 13:20 (20 minutes)*

**Presenter:** Prof. CERRI, Alessandro (University of Sussex (GB))

Contribution ID: 6

Type: **not specified**

## **Development of BDSIM for muon simulations**

*Monday, 27 September 2021 15:55 (20 minutes)*

**Presenters:** NEVAY, Laurie (Royal Holloway); Prof. BOOGERT, Stewart (Royal Holloway)

Contribution ID: 7

Type: **not specified**

## **NuSTORM and muon collider muon production target**

*Monday, 27 September 2021 14:20 (20 minutes)*

**Presenters:** DENSHAM, Chris; BACK, John



Contribution ID: **8**

Type: **not specified**

## **Demonstrator for 6D ionisation cooling**

*Monday, 27 September 2021 14:40 (20 minutes)*

**Presenter:** ROGERS, Chris (STFC)

Contribution ID: 9

Type: **not specified**

## **RF cavity R&D**

*Monday, 27 September 2021 15:15 (20 minutes)*

**Presenters:** CROSS, Adrian (Strathclyde); RONALD, Kevin (University of Strathclyde)

Contribution ID: **10**

Type: **not specified**

## **Magnet R&D**

Contribution ID: **11**

Type: **not specified**

## **nuSTORM accelerator facility**

*Monday, 27 September 2021 15:35 (20 minutes)*

**Presenter:** PASTERNAK, Jaroslaw (Imperial)

Contribution ID: 12

Type: **not specified**

## **FFAs in the muon collider High Energy Complex and Proton Driver**

*Monday, 27 September 2021 16:15 (20 minutes)*

**Presenter:** LAGRANGE, Jean-Baptiste (STFC)

Contribution ID: 13

Type: **not specified**

**Discussion to include: what interests should be expressed in the MoC; how would we like to contribute to the demonstrator/nuSTORM; how do we discuss with STFC**

*Monday, 27 September 2021 16:35 (35 minutes)*

Contribution ID: **14**

Type: **not specified**

## Next steps

*Monday, 27 September 2021 17:10 (10 minutes)*