

# **Compact muon sources**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Future muon sources: Meeting overview**

*Monday, 12 January 2015 13:30 (25 minutes)*

**Presenter:** CYWINSKI, Robert (U)

Contribution ID: 1

Type: **not specified**

## **Simulations of muon production targets**

*Monday, 12 January 2015 13:55 (25 minutes)*

**Presenter:** Dr BUNGAU, Adriana (The University of Manchester)

**Session Classification:** Session 1: Muon production and accelerator technologies

Contribution ID: 2

Type: **not specified**

## **Muon beamlines and Target Technologies at J-PARC**

*Monday, 12 January 2015 14:45 (25 minutes)*

**Presenter:** KAWAMURA, Naritoshi (KEK)

**Session Classification:** Session 1: Muon production and accelerator technologies

Contribution ID: 3

Type: **not specified**

## **HiMB: Towards a new high intensity muon beam**

*Monday, 12 January 2015 14:20 (25 minutes)*

**Presenter:** KETTLE, Peter-Raymond (Paul Scherrer Institut PSI)

**Session Classification:** Session 1: Muon production and accelerator technologies

Contribution ID: 4

Type: **not specified**

## **Future application of FFAG's for muon production**

*Monday, 12 January 2015 15:10 (25 minutes)*

**Presenter:** MORI, Yoshi

**Session Classification:** Session 1: Muon production and accelerator technologies

Contribution ID: 5

Type: **not specified**

## Discussion

*Monday, 12 January 2015 15:35 (10 minutes)*

**Session Classification:** Session 1: Muon production and accelerator technologies

Contribution ID: 6

Type: **not specified**

## **Comparison between laser and conventional muon sources**

*Monday, 12 January 2015 16:05 (25 minutes)*

**Presenter:** FORD, Stephanie

**Session Classification:** Session 2: Specialised beams

Contribution ID: 7

Type: **not specified**

## **MuCool: Towards a much improved phase space slow positive muon beam**

*Monday, 12 January 2015 16:30 (25 minutes)*

**Presenter:** KNECHT, Andreas (Paul Scherrer Institut)

**Session Classification:** Session 2: Specialised beams

Contribution ID: 8

Type: **not specified**

## **An overview of the Muon International Cooling Experiment (MICE)**

*Monday, 12 January 2015 16:55 (25 minutes)*

**Presenter:** PREECE, Roy (STFC Rutherford Appleton Laboratory)

**Session Classification:** Session 2: Specialised beams

Contribution ID: 9

Type: **not specified**

## **Muon collider technology**

*Monday, 12 January 2015 17:20 (25 minutes)*

**Presenter:** Prof. LONG, Kenneth Richard (Imperial College London)

**Session Classification:** Session 2: Specialised beams

Contribution ID: **10**

Type: **not specified**

## **Muon production using a high power cyclotron**

*Monday, 12 January 2015 17:45 (25 minutes)*

**Presenter:** CALABRETTA, Luciano

**Session Classification:** Session 2: Specialised beams

Contribution ID: **11**

Type: **not specified**

## **Muons for condensed matter research**

*Tuesday, 13 January 2015 09:00 (25 minutes)*

**Presenter:** LANCASTER, Tom

**Session Classification:** Session 3: Condensed matter  $\mu$ SR / New Techniques

Contribution ID: 12

Type: **not specified**

## **Muon spectroscopy of photo-excited states**

*Tuesday, 13 January 2015 09:25 (25 minutes)*

**Presenter:** DREW, Alan

**Session Classification:** Session 3: Condensed matter  $\mu$ SR / New Techniques

Contribution ID: 13

Type: **not specified**

## Low energy muons at PSI

*Tuesday, 13 January 2015 09:50 (25 minutes)*

**Presenter:** PROKSCHA, Thomas

**Session Classification:** Session 3: Condensed matter  $\mu$ SR / New Techniques

Contribution ID: 14

Type: **not specified**

## **Low energy muons using laser ionisation**

*Tuesday, 13 January 2015 10:15 (25 minutes)*

**Presenter:** ISHIDA, Katsuhiko (R)

**Session Classification:** Session 3: Condensed matter  $\mu$ SR / New Techniques

Contribution ID: 15

Type: **not specified**

## Discussion

*Tuesday, 13 January 2015 10:40 (10 minutes)*

**Session Classification:** Session 3: Condensed matter  $\mu$ SR / New Techniques

Contribution ID: **16**

Type: **not specified**

## **PSI**

*Tuesday, 13 January 2015 11:10 (15 minutes)*

**Presenter:** MORENZONI, Elvezio

**Session Classification:** Session 4: Update and outlook from the Facilities

Contribution ID: 17

Type: **not specified**

## ISIS

*Tuesday, 13 January 2015 11:25 (15 minutes)*

**Presenter:** HILLIER, Adrian

**Session Classification:** Session 4: Update and outlook from the Facilities

Contribution ID: **18**

Type: **not specified**

## **RIKEN**

*Tuesday, 13 January 2015 11:40 (15 minutes)*

**Presenter:** KING, Philip

**Session Classification:** Session 4: Update and outlook from the Facilities

Contribution ID: **19**

Type: **not specified**

## **J-PARC**

*Tuesday, 13 January 2015 11:55 (15 minutes)*

**Presenter:** KAWAMURA, Naritoshi (KEK)

**Session Classification:** Session 4: Update and outlook from the Facilities

Contribution ID: **20**

Type: **not specified**

## **Discussion**

*Tuesday, 13 January 2015 12:10 (20 minutes)*

**Session Classification:** Session 4: Update and outlook from the Facilities

Contribution ID: 21

Type: **not specified**

## **Muon tomography - monitoring CO<sub>2</sub> goestorage sites 24/7**

*Tuesday, 13 January 2015 13:30 (25 minutes)*

**Presenters:** GLUYAS, Jon; THOMPSON, Lee (University of Sheffield)

**Session Classification:** Session 5: Novel applications of muons

Contribution ID: 22

Type: **not specified**

## **Probing muon error effects using facility beams**

*Tuesday, 13 January 2015 13:55 (25 minutes)*

**Presenter:** HILLIER, Adrian

**Session Classification:** Session 5: Novel applications of muons

Contribution ID: 23

Type: **not specified**

## **Researching and commercialising muon tomography for security screening**

*Tuesday, 13 January 2015 14:20 (25 minutes)*

**Presenter:** SOSSONG, Michael

**Session Classification:** Session 5: Novel applications of muons

Contribution ID: 24

Type: **not specified**

## Progress towards muon catalysed fusion

*Tuesday, 13 January 2015 14:45 (25 minutes)*

**Presenter:** ISHIDA, Katsuhiko (R)

**Session Classification:** Session 5: Novel applications of muons

Contribution ID: 25

Type: **not specified**

## Discussion

*Tuesday, 13 January 2015 15:10 (10 minutes)*

**Session Classification:** Session 5: Novel applications of muons

Contribution ID: 26

Type: **not specified**

## Summary and discussion

*Tuesday, 13 January 2015 15:40 (30 minutes)*

**Presenter:** EDGECOCK, Rob (STFC - Rutherford Appleton Lab. (GB))

Contribution ID: 27

Type: **not specified**

## Introduction

*Monday, 12 January 2015 13:20 (10 minutes)*

**Presenter:** COTTRELL, Steve