

## **Session Program**

**25-30 Aug 2014**

# **NUFACT2014, XVth International Workshop on Neutrino Factories and Future Neutrino Beam Facilities**

## ***WG3: Accelerator Physics***

University of Glasgow, Western Infirmary Lecture Theatre  
University Avenue Glasgow, G12 8QQ, Scotland, UK

# Monday 25 August

14:30

## WG3: Accelerator Physics: MICE

**Session** |**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |**Convener:** Dr Alan Bross

14:30–14:50

### The Status of the Construction of MICE Step IV

**Speaker**

Celeste Pidcott

14:50–15:10

### The Physics Programme of MICE Step IV

**Speaker**

Ryan Bayes

15:10–15:30

### Progress Towards Completion of the MICE Demonstration of Sustainable Muon Ionization Cooling

**Speaker**

Pierrick Hanlet

15:30–15:50

### Optimization of Beam Line Settings for MICE Step IV

**Speaker**

John Columba Nugent

16:00

## Tuesday 26 August

11:00

### WG3: Accelerator Physics: NuSTORM

**Session** |

**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |

**Convener:** Alex Bogacz

11:00–11:20 **NuSTORM FODO solution**

**Speaker**

David Neuffer

11:20–11:40 **NuSTORM RFFAG solution**

**Speaker**

Jean-Baptiste Lagrange

11:40–12:00 **NuSTORM at CERN, Scenarios and Plans**

**Speaker**

Dr Elena Wildner

12:00–12:20 **Neutrino Flux from nuSTORM facility**

**Speaker**

David Adey

12:30

14:00

### WG3: Accelerator Physics: Neutrino Factories

**Session** |

**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |

**Convener:** Prof. Kenneth Long

14:00–14:20 **Final results from IDS-NF study**

**Speaker**

Dr Paul Soler Jermy

14:20–14:40 **NuMAX overview**

**Speaker**

David Neuffer

14:40–15:10 **Muon Acceleration: NuMAX and Beyond**

**Speaker**

Alex Bogacz

15:10–15:30 **Design of NuMAX decay ring**

**Speaker**

David Kelliher

15:30

## Wednesday 27 August

11:00

### WG3: Accelerator Physics: ESS and CSNS

**Session** |**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |**Convener:** Dr Marcos Dracos**11:00–11:18 ESS linac modifications****Speaker**

David McGinnis

**11:18–11:36 Accumulator ring for the ESS neutrino Super Beam****Speaker**

Dr Elena Wildner

**11:36–11:54 ESSvSB: Update on secondary beam studies****Speaker**

Nikolaos Vassilopoulos

**11:54–12:12 An Experimental muon source for neutrino beam R&D at CSNS****Speaker**

Hantao Jing

12:15

## Thursday 28 August

14:00

### WG3: Accelerator Physics: J34: Joint session between WG3 and WG4

**Session** |**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |**Convener:** Ajit Kurup

14:00–14:25

#### Design Update for MOMENT

**Speaker**

Jingyu Tang

14:25–14:50

#### Opportunities for Experiments Based on Stored Muon Beams at Fermilab

**Speaker**

Milorad Popovic

14:50–15:30

#### Synergies between muon projects (discussion)

15:30

## Friday 29 August

11:00

### WG3: Accelerator Physics: Proton drivers, targetry

**Session** |

**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |

**Convener:** Dr Jingyu Tang

11:00–11:20

#### Targetry

**Speaker**

Kirk McDonald

11:20–11:40

#### Powder target

**Speaker**

Chris Densham

11:40–12:00

#### Proton driver at FNAL

**Speaker**

Dr Milorad Popovic

12:00–12:30

#### High-intensity muon sources for high energy physics experiments

**Speaker**

Diktys Stratakis

12:30

14:00

### WG3: Accelerator Physics: Muon colliders

**Session** |

**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |

**Convener:** Dr Milorad Popovic

14:00–14:20

#### Hybrid 6D cooling channel

**Speaker**

Dr Diktys Stratakis

14:20–14:40

#### Bright muon sources

**Speaker**

Dr Pavel Snopok

14:40–15:00

#### Final cooling

**Speaker**

David Neuffer

15:00–15:30

#### MICE Closed session on Step 3pi/2

**Speaker**

Prof. Kenneth Richard Long

15:30

16:00

**WG3: Accelerator Physics: Summary preparation****Session** |**Location:** University of Glasgow, Western Infirmary Lecture Theatre, University Avenue Glasgow, G12 8QQ, Scotland, UK |**Convener:** Jaroslaw Pasternak

17:30

16:00–17:30

**Summary preparation/discussion****Speaker**

Dr Pavel Snopok