

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 Jermyn

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

16:00-17:30

Summary preparation/discussion

Speaker

Dr Pavel Snopok

17:30