

**Session Program**

**25-30 Aug 2014**

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

***WG1: Neutrino Physics***

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

# Monday 25 August

14:30

## WG1: Neutrino Physics: Impact of neutrino measurements on flavour models

**Session** |

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

14:30–15:00

### Neutrino masses and mixings from discrete symmetries

**Speaker**

Christoph Luhn

15:00–15:30

### Model comparison and experimental constraints

**Speaker**

Dr Davide Meloni

15:30–16:00

### Neutrino masses and mixings from continuous symmetries and discussion

**Speaker**

Dr Luca Merlo

16:00

## Tuesday 26 August

11:00

### WG1: Neutrino Physics: Results from present neutrino oscillation experiments

Session |

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

11:00–11:20 **MINOS/MINOS+**

**Speaker**

Dr Anna Holin

11:20–11:40 **T2K oscillation results**

**Speaker**

Christophe Bronner

11:40–12:00 **NOvA**

**Speaker**

Xuebing Bu

12:00–12:20 **OPERA**

**Speaker**

Dr Umut Kose

12:30

14:00

### WG1: Neutrino Physics: Joint WG1 + WG2 session

Session |

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

14:00–14:30 **Event and Energy Reconstruction in the NOvA Experiment**

**Speaker**

Nicholas Raddatz

14:30–15:00 **Energy Measurement in the T2K Oscillation Analysis**

**Speaker**

Susan Cartwright

15:00–15:30 **NEUT development for T2K and relevance of updated 2p2h models**

**Speaker**

Callum Wilkinson

15:30

# Wednesday 27 August

11:00

## WG1: Neutrino Physics: The search for the neutrino mass hierarchy

**Session** |

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

11:00-11:20

**INO**

**Speaker**

Moon Moon Devi

11:20-11:40

**PINGU**

**Speaker**

Joao Pedro Athayde Marcondes de Andre

11:40-12:00

### Quantifying the sensitivity of oscillation experiments to the neutrino mass ordering

**Speaker**

Dr Mattias Blennow

12:15

# Thursday 28 August

11:00

## WG1: Neutrino Physics: Sterile Neutrino Searches

**Session** |

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

11:00-11:20

### Status of MicroBooNE and future FNAL short-baseline program

**Speaker**

Prof. Antonio Ereditato

11:20-11:40

### Source neutrino experiments

**Speaker**

Dr Jonathan Link

11:40-12:00

### Tagged electron neutrinos

**Speaker**

Francesco Terranova

12:00-12:20

### Short-baseline oscillation measurements at T2K

**Speaker**

Javier Caravaca

12:30

# Friday 29 August

11:00

## WG1: Neutrino Physics: Joint session WG1 and WG4

**Session** |

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

**Convener:** Enrique Fernandez Martinez

11:00–11:30

### Testing the Standard Model with the lepton $g-2$

**Speaker**

Massimo Passera

11:30–12:00

### Testing New Physics with the lepton $g-2$

**Speaker**

Paride Paradisi

12:00–12:30

### IsoDAR and DAE $\Delta$ LUS

**Speaker**

Joshua Spitz

12:30

14:00

## WG1: Neutrino Physics: Reactor Neutrino Experiments

**Session** |

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

14:00–14:20

### Recent oscillation analysis results from Daya Bay

**Speaker**

Jie Zhao

14:20–14:40

### New Results from RENO

**Speakers**

Hyunkwan Seo, Dr Hyunkwan Seo

14:40–15:00

### Status of the Double Chooz experiment

**Speaker**

Dr Matthieu Vivier

15:00–15:20

### The measurement of the reactor antineutrino flux and spectrum of Daya Bay Experiment

**Speaker**

Mr Fengpeng An

15:30

16:00

## WG1: Neutrino Physics: Prospects for future neutrino oscillation facilities

**Session** |

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

16:00–16:20

### CHIPS

**Speaker**  
Dr Justin Evans

16:20–16:40 **MIND at Neutrino Factories**

**Speaker**  
Ryan Bayes

16:40–17:00

**Constraints on non-standard flavor-dependent interactions from Superkamiokande and Hyperkamiokande**

**Speaker**  
Osamu Yasuda

17:30