

## **Session Program**

**1-6 Aug 2011**



## **NuFact'11 XIIIth Workshop on Neutrino Factories, Superbeams and Beta-beams**

### ***WG1 Neutrino Oscillation Physics***

# Monday 1 August

14:00

## WG1 Neutrino Oscillation Physics

**Session** | **Location:** CERN, 222/R-001 | **Conveners:**  
Thomas Schwetz-Mangold, Dr Takeshi Nakadaira, Prof. Tricia Vahle

14:00–15:00

### Physics Motivation for Long-baseline experiments: Discussion Session

#### Speakers

Andre deGouvea, Silvia Pascoli

15:30

15:00–15:30

### Low Energy Signatures of the TeV Scale See-Saw Mechanism

#### Speaker

Dr Alejandro Ibarra

## Tuesday 2 August

13:30

### WG1 Neutrino Oscillation Physics

**Session** | **Location:** UniGe, Aud. Stuckelberg | **Conveners:**  
Prof. Tricia Vahle, Dr Takeshi Nakadaira, Thomas Schwetz-Mangold

13:30–13:35

#### Long-baseline sensitivity studies and comparisons, Introduction

##### Speaker

Walter Winter

13:35–13:50

#### Superbeams

##### Speaker

Jim Strait

13:50–14:05

#### Betabeams

##### Speaker

Dr Elena Wildner

14:05–14:20

#### Neutrino factory

##### Speaker

Prof. Kenneth Long

14:20–14:30

#### Comparison of Facilities

##### Speaker

Walter Winter

14:30–15:00

#### Discussion

15:00–15:30

#### Precision required for $\nu\tau$

##### Speaker

Dr Toshihiko Ota

15:30

## Wednesday 3 August

11:00

### WG1 Neutrino Oscillation Physics

**Session** | **Location:** UniGe, Aud. Stuckelberg | **Conveners:**  
Prof. Tricia Vahle, Dr Takeshi Nakadaira, Thomas Schwetz-Mangold

11:00–11:22

#### Optimized Neutrino Factory for Small and Large Theta\_13

##### Speaker

Sanjib Agarwalla

11:22–11:44

#### Optimisation of the Low-Energy Neutrino Factory

##### Speaker

Peter Ballett

11:44–12:06

#### Sterile Neutrinos In Ice

##### Speaker

Francis Halzen

12:06–12:30

#### Importance of Nuclear Effects in the Measurement of Neutrino Oscillation Parameters

##### Speaker

Dr Davide Meloni

12:30

14:00

### WG1 Neutrino Oscillation Physics

**Session** | **Location:** UniGe, Aud. Stuckelberg | **Conveners:**  
Thomas Schwetz-Mangold, Dr Takeshi Nakadaira, Prof. Tricia Vahle

14:00–14:24

#### The Reactor Neutrino Anomaly

##### Speaker

Guillaume Mention

14:24–14:48

#### MINOS Neutral Current Results

##### Speaker

Dr Alexandre Sousa

14:48–15:12

#### MiniBooNE Results

##### Speaker

Zelimir Djurcic

15:12–15:36

#### Status of the MicroBooNE Experiment

##### Speaker

Benjamin Jones

15:36–16:00

#### The Very Low Energy Neutrino Factory

##### Speaker

Alan Bross

16:00

## Thursday 4 August

11:00

### WG1 Neutrino Oscillation Physics

**Session** | **Location:** UniGe, Aud. Stuckelberg | **Conveners:**  
Thomas Schwetz-Mangold, Prof. Tricia Vahle, Dr Takeshi Nakadaira

11:00–11:22

#### LSND, MiniBooNE and T2K excess events as a signal from heavy neutrino decays

##### Speaker

Sergei Gninenko

11:22–11:44

#### Minimal Models with Light Sterile Neutrinos

##### Speaker

Prof. Pilar Hernandez

11:44–12:06

#### Sterile Neutrino Models

##### Speaker

He zhang

12:06–12:30

#### Neutrino Masses from New Generations

##### Speaker

Juan Herrero-Garcia

12:30

14:00

### WG1 Neutrino Oscillation Physics

**Session** | **Location:** UniGe, Aud. Stuckelberg | **Conveners:**  
Prof. Tricia Vahle, Thomas Schwetz-Mangold, Dr Takeshi Nakadaira

14:00–14:25

#### Overview of Non-Standard Interactions

##### Speaker

Enrique Fernandez Martinez

14:25–14:49

#### Long Range Lepton Flavor Interactions and Neutrino Oscillations

##### Speaker

Hye-Sung Lee

14:49–15:13

#### Non-Standard Interactions at LEP or the LHC

##### Speaker

Sacha Davidson

15:13–15:30

#### Discussion on NSI

15:30–16:00

#### Discussion on WG1 answers to panel

16:00

# Friday 5 August

13:40

## WG1 Neutrino Oscillation Physics

**Session** | **Location:** CERN, 222/R-001 | **Conveners:**  
Prof. Tricia Vahle, Dr Takeshi Nakadaira, Thomas Schwetz-Mangold

13:40-14:04    **MINOS Electron Neutrino Appearance Results**

**Speaker**  
Jeff Nelson

14:04-14:28    **If Theta\_13 is Large, Then What?**

**Speaker**  
Hisakazu Minakata

14:28-14:52    **Determination of Neutrino Mass Hierarchy with T2K and NOvA**

**Speaker**  
Suprabh Prakash

14:52-15:16    **The SuperBeam Plus BetaBeam Combination**

**Speaker**  
Stephen Parke

15:16-15:40    **Long baseline experiments in Europe within LAGUNA**

**Speaker**  
Pilar Coloma

15:40

## Saturday 6 August

09:00

### WG1 Neutrino Oscillation Physics

**Session** | **Location:** CERN, 222/R-001 | **Conveners:**  
Dr Takeshi Nakadaira, Prof. Tricia Vahle, Thomas Schwetz-Mangold

#### 09:00–09:20 Neutrinoless Double Beta Decay

**Speaker**

Jacobo Lopez Pavon

#### 09:20–09:40 Large Extra Dimensions and Neutrino Oscillations

**Speaker**

Pedro Machado

#### 09:40–10:00 Neutrinos and the LHC

**Speaker**

Miha Nemevsek

#### 10:00–10:20 Status of Daya Bay

**Speaker**

Mr Zhimin Wang

#### 10:20–10:30 Discussion

10:30