

## Session Program

2-6 Dec 2014



### **DISCRETE 2014: Fourth Symposium on Prospects in the Physics of Discrete Symmetries**

***Parallel 2: Neutrino mass and mixing,  
implications for astroparticle physics, dark  
matter searches***

King's College London, Strand Campus, Great Hall and several lecture theatres  
Strand London WC2R 2LS UK

## Tuesday 2 December

17:00

### Parallel 2: Neutrino mass and mixing, implications for astroparticle physics, dark matter searches

**Session** | **Location:** S7.06 7th floor Strand Bldg.

17:00–17:30

#### Neutrino Oscillations and Dark Matter in IceCube

**Speaker**

Melanie Day

17:30–18:05

#### On the flavor composition of the high-energy neutrinos in IceCube

**Speaker**

Sergio Palomares-Ruiz

18:05–18:10

#### Break (5 min)

18:10–18:40

#### Neutrino mass hierarchy determination with PINGU

**Speaker**

Antonio Marrone

18:40–19:10

#### Measurement of the neutrino mixing angle $\theta_{13}$ with the Double Chooz detector

**Speaker**

Michael Franke

19:10–19:40

#### On the origin of neutrino oscillations through Lorentz violation

**Speaker**

Julio Leite

19:40