

## **Session Program**

**20-24 Nov 2015**



# **Invisibles15 Workshop: "Invisibles Meets Visibles"**

## ***Cosmology***

IFT (Madrid) and Thyssen-Bornemisza Museum

# Friday 20 November

14:30

## Cosmology

**Session** | **Location:** IFT, Red room

14:30–14:50

### eV sterile neutrinos problem and cosmological bounds for secret interactions

**Speaker**

Dr Ninetta Saviano

14:50–15:10

### "Secret" neutrino interactions

**Speaker**

Dr Maria Archidiacono

15:10–15:30

### Seesaw Scale vs Cosmology

**Speaker**

Dr Jacobo Lopez Pavon

15:30–15:50

### Helicitogenesis: WIMPy baryogenesis with sterile neutrinos

**Speaker**

Dr Jean Racker

15:50–16:10

### Testing leptogenesis at SHiP, BELLE and LHC

**Speaker**

Marco Drewes

16:10–16:30

### A Fresh Look at keV Sterile Neutrino Dark Matter from Frozen-In Scalars

**Speaker**

Dr Adisorn Adulpravitchai

16:30

# Saturday 21 November

16:30

## Cosmology

**Session** | **Location:** IFT, Red Room

**16:30–16:50** **Spiral Inflation**

**Speaker**

Gabriela Barenboim

**16:50–17:10** **Search for the dark photon in  $\pi^0$  decays**

**Speaker**

Michal Koval

**17:10–17:30** **Effective Field Theory of Gravity and Dark Energy**

**Speaker**

Dr Alessandro Codello

**17:30–17:50**

**Testing the homogeneity and isotropy of the Universe with recent observations**

**Speaker**

Dr Elisabetta Majerotto

**17:50–18:10** **Robustness of cosmic neutrino background detection in the CMB**

**Speaker**

Dr Viviana Niro

**18:10–18:30** **Understanding Inflation with Large-Scale Sctructure**

**Speaker**

Dr Roland de Putter

**18:30–18:50** **On Planck CMB Anomalies, Alignments and Calibration**

**Speaker**

Dr Alessio Notari

18:50