

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 π^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