

Session Program

20-24 Nov 2015



Invisibles15 Workshop: "Invisibles Meets Visibles"

Neutrinos and Flavour

IFT (Madrid) and Thyssen-Bornemisza Museum

Friday 20 November

14:30

Neutrinos and Flavour

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

14:30-14:50

CUORE's search for neutrinoless double-beta decay

Speaker

Mr Pablo Mosteiro

14:50-15:10

Indirect searches for sterile neutrinos at high-luminosity Z-factory experiments

Speaker

Valentina De Romeri

15:10-15:30

The Majorana Demonstrator search for neutrinoless double-beta decay

Speaker

Dr Christopher O'Shaughnessy

15:30-15:50

ESSnuSB: a facility to explore the second oscillation maximum, status of the design

Speaker

Elena Wildner

15:50-16:10

Significance for leptonic CP violation

Speaker

Mattias Blennow

16:10-16:30

Bayesian analysis of neutrino oscillation data

Speaker

Dr Johannes Bergstrom

16:30

Saturday 21 November

16:30

Neutrinos and Flavour

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

16:30-16:50 **Minimal muon anomalous magnetic moment**

Speaker

Dr Carla Biggio

16:50-17:10 **Interpretation of the high energy IceCube data**

Speaker

Jose Illana

17:10-17:30 **Possible Interpretations of IceCube High-Energy Neutrino Events**

Speaker

Dr Boris Panes

17:30-17:50

Propagation of astrophysical neutrinos in a background of ultra-light scalar field dark matter

Speaker

Dr Matias Reynoso

17:50-18:10 **Sterile neutrinos at future lepton colliders**

Speaker

Oliver Fischer

18:10-18:30

Constraining discrete flavour symmetries with neutrino oscillation experiments

Speaker

Peter Ballett

18:30-18:50 **Two-loop snail diagrams: relating neutrino masses to DM**

Speaker

Yasaman Farzan

18:50