

Session Program

20-24 Nov 2015



Invisibles15 Workshop: "Invisibles Meets Visibles"

Dark Matter

IFT (Madrid) and Thyssen-Bornemisza Museum

Friday 20 November

14:30

Dark Matter

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

14:30–14:50 **Dwarf spheroidal galaxies as degenerate gas of free fermions**

Speaker

Dr Valerie Domcke

14:50–15:10 **Evidence of DM in the Sun?**

Speaker

Dr Aaron Vincent

15:10–15:30

A taste of dark matter: Flavour constraints on pseudoscalar mediators

Speaker

Dr Felix Kahlhoefer

15:30–15:50 **The Flavour Portal to Dark Matter**

Speaker

Dr Bryan Zaldivar

15:50–16:10 **How to quantify the compatibility of DM direct detection experiments**

Speaker

Dr Nassim Bozorgnia

16:10–16:30 **Multimediator models for the galactic center gamma ray excess**

Speaker

Prof. Zuowei Liu

16:30

Saturday 21 November

16:30

Dark Matter

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

16:30–16:50

Constraints on leptophobic GeV DM from neutrino oscillation experiments

Speaker

Dr Pilar Coloma

16:50–17:10

Antideuterons from Decaying Gravitino Dark Matter

Speaker

Timur Delahaye

17:10–17:30

Halo-independent tests of dark matter direct detection signals

Speaker

Dr Juan Herrero Garcia

17:30–17:50

Global constraints on vector-like effective WIMP interactions

Speaker

Dr Pedro Machado

17:50–18:10

Local Z2 scalar dark matter model confronting galactic GeV-scale γ -ray and muon ($g-2$)

Speaker

Dr Wan-Il Park

18:10–18:30

Anatomy of Coannihilation with a Scalar Top Partner

Speaker

Dr Stefan Vogl

18:30–18:50

New Bounds on Monochromatic Neutrino Lines from DM Decays

Speaker

Michael Gustafsson

18:50