

Session Program

20-24 Nov 2015



Invisibles15 Workshop: "Invisibles Meets Visibles"

Higgs and collider physics

IFT (Madrid) and Thyssen-Bornemisza Museum

Friday 20 November

14:30

Higgs and collider physics

Session | Location: IFT, Orange room

14:30-14:50 **Indirect Searches Illuminate Singlet - Doublet Dark Matter**

Speaker

Dr Pantelis Tziveloglou

14:50-15:10 **Singlino(-higgsino) dark matter at IceCube and LHC**

Speaker

Dr Shoaib Munir

15:10-15:30

Discriminating between SUSY and Non-SUSY Higgs Sectors through the Ratio H to bb / H to $\tau\tau$

Speaker

Ernesto Arganda

15:30-15:50

Accurate determination of the Baryon and Dark Matter Abundance in Supersymmetric scenarios

Speaker

Giorgio Arcadi

15:50-16:10

More Higgses at LHC: the EW road to baryogenesis

Speaker

Jose Miguel No

16:10-16:30

Composite resonance effects on the EW chiral lagrangian at NLO

Speaker

Juan Jose Sanz-Cillero

16:30

Saturday 21 November

16:30

Higgs and collider physics

Session | Location: IFT, Orange room

16:30-16:50 **Scalar DM: from minimal to composite model**

Speaker

Laura Lopez Honorez

16:50-17:10 **Emergin jets from a dark sector**

Speaker

Pedro Klaus Schwaller

17:10-17:30

Making the Most of the Relic Density for Dark Matter Searches at the LHC 14 TeV Run

Speaker

Dr Thomas Jacques

17:30-17:50

Explaining the CMS eejj excess with R-parity violating supersymmetry and implications for neutrinoless double beta decay

Speaker

Manimala Mitra

17:50-18:10 **Measuring the Higgs coupling to light quarks**

Speaker

Emmanuel Stamou

18:10-18:30 **ALPs at colliders**

Speaker

Ken Mimasu

18:30-18:50 **Right-handed neutrinos and the Higgs boson**

Speaker

Cedric Weiland

18:50