

Session Program

3-6 Apr 2018

Dark Matter @ LHC 2018 (#DMLHC2018)

Open Session C

U. of Heidelberg / KIP, Main lecture room (HS I)
Kirchhoff-Institut für Physik Im Neuenheimer Feld 227 D-69120 Heidelberg Germany

Thursday 5 April

14:00

Open Session C): #1

Session |

Location: U. Heidelberg / KIP, Room 1.403+1.404 (first floor), First floor, two doors to big seminar room 1.403+1.404

Conveners: Mario Martinez-Perez, Pedro Klaus Schwaller

14:00–14:15

CMS results in final states with a photon and missing transverse momentum

Speaker

Brandon Leigh Allen

14:15–14:30

Leptophilic dark matter from gauged lepton number: Phenomenology and gravitational wave signatures

Speaker

Mr Eric Madge

14:30–14:45

CMS combined tt+DM search with 2016 data

Speaker

Stanislava Sevova

14:45–15:00

Characterisation of the NLO cross sections for the associated production of dark matter with heavy quarks

Speakers

Yoav Afik, Yoram Rozen, Marco Zaro

15:00–15:15

Resonance Searches with B-jets in the Final States with the ATLAS Detector

Speaker

Bingxuan Liu

15:15–15:30

An exceptional composite dark matter candidate

Speaker

Adrian Carmona Bermudez

15:30–15:45

Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector

Speaker

Marco Rimoldi

15:45–16:00

Search for dark matter in association with a tt pair at $\sqrt{s} = 13$ TeV in the dilepton channel with the CMS experiment

Speaker

Juan Garcia Ferrero

16:00

16:30

Open Session C): #2**Session** |**Location:** U. Heidelberg / KIP, Room 1.403+1.404 (first floor), First floor, two doors to big seminar room 1.403+1.404**Conveners:** Pedro Klaus Schwaller, Mario Martinez-Perez**16:30-16:45 Dark Matter in Association with a Single Top****Speaker**

Jennifer Thompson

16:45-17:00**Dark matter production in association with a single top-quark at the LHC in a two-Higgs-doublet model with a pseudoscalar mediator****Speaker**

Priscilla Pani

17:00-17:15**Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s}=13$ TeV with ATLAS****Speaker**

Jesse Liu

17:15-17:30**Perspectives of monojet searches at the LHC on supersymmetric Dark Matter****Speaker**

Dr Conny Beskidt

17:30-17:45**Searching for new physics in events with an energetic jet and large missing transverse momentum with the ATLAS detector****Speaker**

Giuliano Gustavino

17:45-18:00**Can we discover a light singlet-like NMSSM Higgs boson at the LHC?****Speaker**

Prof. Wim de Boer

18:00-18:15**Searching for dark matter with detector-corrected observables at ATLAS****Speaker**

Rebecca Hayley Pickles

18:30