

Session Program

13-18 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

05 - Dark matter

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Wednesday 16 December

14:00

05 - Dark matter: 05 - Dark matter
Session |
Location: International Conference Centre Geneva, Level 2, Room 7&8, 17 Rue de Varembe, 1211 Geneva |
Convener: Marco Cirelli

14:00-14:25
Analysis update to the 2013 data from the Large Underground Xenon project
Speaker
 Wing To

14:25-14:45
Results on light dark matter particles with a low threshold CRESST-II detector
Speaker
 Achim Gütlein

14:45-15:05 **Update on Dark Matter constraints from CMB anisotropies**
Speaker
 Vivian Poulin

15:05-15:25 **The formation of primordial black hole dark matter**
Speaker
 Sam Young

15:25-15:45 **Simulations of ultralight axion dark matter halos**
Speaker
 Jens Niemeyer

15:45

16:15

05 - Dark matter
Session |
Location: International Conference Centre Geneva, Level 2, Room 7&8, 17 Rue de Varembe, 1211 Geneva |
Convener: Marco Cirelli

16:15-16:40
Indirect searches for dark matter in the gamma-ray sky with the Fermi LAT status and prospects
Speaker
 Dr Johann Cohen-Tanugi

16:40-17:05
Dark matter and fundamental physics with the Cherenkov Telescope Array
Speaker
 Emmanuel Moulin

17:05-17:30
Dark matter ultracompact minihalos and the small-scale early Universe
Speaker
 Hamish Clark

17:30-17:50

Dark matter searches with antideuterons

Speaker

Andrea Vittino

17:50-18:10

Cosmic ray positrons and antiprotons: implications for Dark Matter

Speaker

Mathieu Boudaud

18:10-18:30

Astrophysical backgrounds in antiproton searches for dark matter

Speaker

Michael Kachelriess

18:30-18:33

The LZ Dark Matter detector

Speaker

Bhawna Gomber

18:33-18:36

Axion as a cold dark matter candidate

Speaker

Hyerim Noh

18:36-18:39

Indirect Dark Matter searches with the ASTRI mini-array in the framework of the Cherenkov Telescope Array

Speaker

Dr Saverio Lombardi

18:39-18:42

Quantum vacuum as the cause of the phenomena usually attributed to dark matter

Speaker

Dragan Hajdukovic

18:42-18:45

Warm dark matter cosmological structures - from collapse to caustics and cores

Speaker

Sinziana Paduroiu

18:45

Thursday 17 December

14:00

05 - Dark matter

Session | **Location:** International Conference Centre Geneva, Level 2, Room 7&8 | **Convener:** Marco Cirelli

14:00-14:21

Recent Developments on X-ray Signals from Dark Matter Decay in Galaxies and Galaxy Clusters

Speaker

Jeroen Franse

14:21-14:42

Unveiling the self-coupling of dark matter with galaxy clusters

Speaker

David Richard Harvey

14:42-15:03

Multimessenger searches for WIMPs with suppressed interactions

Speaker

Thomas David Jacques

15:03-15:24

Non linear evolution of BAO and IR - resummation

Speaker

Mikhail Ivanov

15:24-15:45

Cosmology with the Dark Energy Survey

Speaker

Dr Adam Amara

15:45