

Session Program

4-9 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

05 - Dark matter

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Monday 7 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

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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

Tuesday 8 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