

Session Program

10-17 Jul 2019



EPS-HEP2019

Dark Matter

Ghent

International Convention Center and Ghent University - Campus Ledeganck, Ghent, Belgium

Thursday 11 July

09:00

Dark Matter

Session | **Location:** Ghent, Campus Ledeganck - Aud. 2 | **Conveners:**
Kalliopi Petraki, Ranny Budnik, Christian Ohm

09:00–09:25 **On Anomaly-Free Dark Matter Models**

Speaker

Mrs Clara Murgui Galvez

09:25–09:45

Robust limits on dark matter annihilation from the high latitude γ -ray sky

Speaker

Ms Celine Armand

09:45–10:05

Towards Understanding the Origin of Cosmic-Ray Positrons

Speaker

Nikolas Zimmermann

10:05–10:25

The GAPS experiment for dark matter detection with cosmic ray antinuclei.

Speaker

Riccardo Munini

10:25–10:45

MADMAX: A new way to search for QCD Axion Dark Matter with a Dielectric Haloscope

Speaker

Stefan Knirck

10:45–11:10

Singlet-doublet fermion and triplet scalar dark matter with radiative neutrino masses

Speaker

Michael Klasen

11:10–11:40

Coffee break

11:40–12:00

Status and Results from the XENON Dark Matter Project

Speaker

Adam Brown

12:00–12:20

Dark matter search results from 231 live-days of DEAP-3600

Speaker

Dr Tina Pollmann

12:20–12:40

DarkSide-50 Results and the Future Liquid Argon Dark Matter Program

Speaker
Alessio Caminata

12:40–13:00

DARWIN - a next-generation liquid xenon observatory for dark matter and neutrino physics

Speaker
Mr Kevin Thieme

13:00

14:30

Dark Matter

Session | **Location:** Ghent, Campus Ledeganck - Aud. 2 | **Conveners:**
Christian Ohm, Kalliopi Petraki, Ranny Budnik

14:30–14:50

Search for a stable six-quark state in Υ decays at BABAR

Speaker
Gerald Eigen

14:50–15:10

The Light Dark Matter eXperiment, LDMX

Speaker
Valentina Dutta

15:10–15:30

Dark Sector Physics with Belle II

Speaker
Sam Cunliffe

15:30–15:50

Strong gravitational radiation from a simple dark matter model

Speaker
Dr Iason Baldes

15:50–16:10

Phase transitions and gravitational waves in models of Z_N scalar dark matter

Speaker
Mr Nico Benincasa

16:10–16:40

Coffee break

16:40–17:00

Searches for dark matter with CMS

Speaker
Isabelle De Bruyn

17:00–17:20

Dark matter searches with the ATLAS detector

Speaker
Othmane Rifki

17:20–17:35

Global study of effective Higgs portal dark matter models using GAMBIT

Speaker
Dr Ankit Beniwal

17:35–17:55

Directional Dark Matter Search with Nuclear Emulsion

Speaker
Giuliana Galati

17:55-18:15

Searches for dark matter with the CRESST-III Experiment

Speaker

Jochen Schieck

18:15-18:30

Searching for Dark Matter with PICO-40L

Speaker

Mr Clarke Hardy

18:30