

Session Program

9-13 Oct 2017

**Galileo Galilei Institute Conference: Collider
Physics and the Cosmos**

Dark Matter

Thursday 12 October

09:15

Dark Matter

Session | **Location:** GGI Arcetri, Aula A | **Convener:** Roberto Contino

09:15–10:00 **Workshop Report "Dark Matter and Colliders"**

Speaker

Andreas Goudelis

10:10–10:40 **Axion phenomenology**

Speaker

Giovanni Villadoro

10:50–11:10 **Searches for axions at CAST**

Speaker

Marin Karuza

11:20–11:55 **Results from HPS e Perspectives with BDX**

Speaker

Domenico D'Urso

12:05–12:40 **Searches for DM mediators**

Speaker

Francesco Santanastasio

12:40

14:00

Dark Matter

Session | **Location:** GGI Arcetri, Aula A | **Convener:** Michele Redi

14:00–14:35 **WIMP DM interpretation of Higgs results**

Speaker

Renjie Wang

14:45–15:20 **WIMP DM interpretation of SUSY and Exotics results**

Speaker

Jeroen Schouwenberg

15:30–16:10 **The MSSM and the LHC and Dark Matter constraints**

Speaker

Alexandre Arbey

16:15

16:40

Dark Matter

Session | **Location:** GGI Arcetri, Aula A | **Convener:** Laura Covi

16:40–17:20

Statistical analysis of the MSSM after the LHC 13 TeV data with Mastercode

Speaker

Oliver Buchmueller

17:30-18:00

Perspectives for direct DM searches with LZ

Speaker

Maurits van der Grinten

18:15

Friday 13 October

09:20

Dark Matter

Session | **Location:** Villa Il Gioiello | **Convener:** Bryan Ostdiek

09:20–10:05

Workshop Report "Colliders and Cosmic Rays"

Speaker

Paolo Lipari

10:15–10:45

Astrophysical signals of Dark Matter

Speaker

Nicolao Fornengo

10:50–11:20

Cosmic rays and anti-helium as probes of Dark Matter

Speaker

Kfir Blum

11:25–11:55

Probing particle transport in the Galaxy with gamma rays

Speaker

Dario Grasso

12:00

13:45

Dark Matter

Session | **Location:** Villa Il Gioiello

14:00–14:30

Searches for dark sector models at LHC

Speaker

Adish Vartak

14:40–15:10

Dark sector physics search in missing energy events with the NA64 experiment

Speaker

Balint Radics

15:25