

# **Preparing for Dark Matter Particle Discovery**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome

*Monday, 11 June 2018 13:15 (15 minutes)*

Contribution ID: 27

Type: **not specified**

# **Toward minimal assumptions for WIMP dark matter**

*Monday, 11 June 2018 13:30 (1 hour)*

**Presenter:** GONDOLO, Paolo

Contribution ID: 28

Type: **not specified**

## **Addressing theoretical uncertainties in direct detection experiments**

*Wednesday, 13 June 2018 09:00 (1 hour)*

**Presenter:** IBARRA, Alejandro

Contribution ID: 29

Type: **not specified**

## Decaying Dark Matter with or without SUSY

*Monday, 11 June 2018 16:00 (1 hour)*

**Presenter:** COVI, Laura

Contribution ID: 30

Type: **not specified**

## Searching for dark matter particle properties in astrophysical data

*Monday, 11 June 2018 17:00 (1 hour)*

**Presenter:** ZHARIJAS, Gabriela

Contribution ID: **31**

Type: **not specified**

## **Review of direct Dark Matter searches**

*Tuesday, 12 June 2018 13:30 (1 hour)*

**Presenter:** SELVI, Marco

Contribution ID: 32

Type: **not specified**

# Results from a One Tonne-Year Dark Matter Search with XENON1T

*Tuesday, 12 June 2018 10:30 (1 hour)*

**Presenter:** PELSSERS, Bart



Contribution ID: 33

Type: **not specified**

## **Generalized spin-independent WIMP-nucleus scattering from chiral effective field theory**

*Tuesday, 12 June 2018 16:00 (30 minutes)*

**Presenter:** KLOS, Philipp

Contribution ID: 34

Type: **not specified**

# **Ab Initio Nuclear Structure Calculations for Dark Matter Direct Detection**

*Tuesday, 12 June 2018 16:30 (30 minutes)*

**Presenter:** GAZDA, Daniel

Contribution ID: 35

Type: **not specified**

## **Consequences of a XENONnT/LZ signal for the LHC and thermal dark matter production**

*Tuesday, 12 June 2018 17:00 (30 minutes)*

**Presenter:** KRAUSS, Martin

Contribution ID: 36

Type: **not specified**

# Surrogate Models for Direct Dark Matter Detection

*Tuesday, 12 June 2018 17:30 (30 minutes)*

**Presenter:** CHEEK, Andrew

Contribution ID: 37

Type: **not specified**

# **Supermassive Black Hole Formation Due to Dark Matter Particle Annihilation Heating**

*Tuesday, 12 June 2018 09:30 (30 minutes)*

**Presenter:** TAN, Jonathan

Contribution ID: **38**

Type: **not specified**

## **Light in the Dark –a Light Dark Matter eXperiment (LDMX)**

*Tuesday, 12 June 2018 14:30 (30 minutes)*

**Presenter:** POTTGEN, Ruth

Contribution ID: 39

Type: **not specified**

# The parameter space of ultra-light axions

*Tuesday, 12 June 2018 09:00 (30 minutes)*

**Presenter:** VISINELLI, Luca

Contribution ID: 40

Type: **not specified**

# A global study of the extended scalar singlet model

*Wednesday, 13 June 2018 17:30 (30 minutes)*

**Presenter:** BENIWAL, Ankit



Contribution ID: 41

Type: **not specified**

## **Impact of astrophysical uncertainties on WIMP direct (and indirect) detection**

*Wednesday, 13 June 2018 10:30 (1 hour)*

**Presenter:** GREEN, Anne

Contribution ID: 42

Type: **not specified**

## From EW scale to DM direct detection

*Monday, 11 June 2018 14:30 (1 hour)*

**Presenter:** ZUPAN, Jure

Contribution ID: 43

Type: **not specified**

## **Dark Matter Model or Mass, but Not Both: Assessing Near-Future Direct Searches with Benchmark-free Forecasting**

*Wednesday, 13 June 2018 13:30 (30 minutes)*

**Presenter:** EDWARDS, Thomas

Contribution ID: 44

Type: **not specified**

## **Dark matter particle search with the CRESST-III experiment**

*Wednesday, 13 June 2018 14:00 (30 minutes)*

**Presenter:** ZEMA, Vanessa

Contribution ID: 45

Type: **not specified**

# **First Sub-GeV Dark Matter Search Results with SuperCDMS using a Single Electron-Hole-Pair Detector**

*Wednesday, 13 June 2018 14:30 (30 minutes)*

**Presenter:** VON KROSIGK, Belina

Contribution ID: 46

Type: **not specified**

## **Projected sensitivity of the LUX-ZEPLIN experiment to WIMP dark matter**

*Wednesday, 13 June 2018 15:00 (30 minutes)*

**Presenter:** SAMBLAS, Ibles Olcina

Contribution ID: 47

Type: **not specified**

## DarkSUSY 6

*Thursday, 14 June 2018 11:30 (30 minutes)*

**Presenter:** EDSJÖ, Joakim

Contribution ID: 48

Type: **not specified**

# Dark Matter Searches with Charged Cosmic Rays

*Wednesday, 13 June 2018 16:30 (30 minutes)*

**Presenter:** WINKLER, Martin



Contribution ID: 49

Type: **not specified**

## **On velocity-dependent dark matter annihilations in dwarf satellites**

*Wednesday, 13 June 2018 16:00 (30 minutes)*

**Presenter:** PETAČ, Mihael

Contribution ID: 50

Type: **not specified**

# High energy neutrinos from cosmic ray interactions in the sun

*Wednesday, 13 June 2018 17:00 (30 minutes)*

**Presenter:** NIBLAEUS, Carl

Contribution ID: 51

Type: **not specified**

# Homing in on dark matter with GAMBIT

*Thursday, 14 June 2018 10:30 (1 hour)*

**Presenter:** SCOTT, Pat

Contribution ID: 52

Type: **not specified**

## Pinning down light dark matter

*Thursday, 14 June 2018 09:00 (1 hour)*

**Presenter:** KOUVARIS, Chris

Contribution ID: 53

Type: **not specified**

## **DM Prospects in the APPEC EU Astroparticle Roadmap 2017-2026**

*Friday, 15 June 2018 09:00 (1 hour)*

**Presenter:** MASIERO, Antonio

Contribution ID: 54

Type: **not specified**

## **Single Photon Counter based on the Al-Al Josephson Junction at 14 GHz for searching Galactic Axions**

*Tuesday, 12 June 2018 15:00 (30 minutes)*

**Presenter:** KUZMIN, Leonid

Contribution ID: 55

Type: **not specified**

## **Onsala Space Observatory: an overview of current and future radio astronomy facilities**

*Friday, 15 June 2018 10:30 (1 hour)*

**Presenter:** VLEMMINGS, Wouter