Dark Matter at the Dawn of Discovery ?

Report of Contributions

Contribution ID: **1** Type: **not specified**

Introduction

Monday 9 April 2018 09:00 (1 hour)

Presenter: MARTIN BAUER, Tilman Plehn, (SISSA)

Contribution ID: **2**　　　　　　　　　　　　　　　　　　Type: **not specified**

Indirect Detection Overview

Monday 9 April 2018 13:45 (1 hour)

Presenter: CIRELLI, Marco (CNRS LPTHE Jussieu)

Contribution ID: **3**
Type: **not specified**

Status of cold dark matter

Tuesday 10 April 2018 09:00 (1 hour)

Presenter: FRENK, Carlos (Durham University)

Contribution ID: **4**

Type: **not specified**

Workshop Dinner

Tuesday 10 April 2018 18:30 (1h 30m)

Contribution ID: **5** Type: **not specified**

Limitations in traditional LHC DM searches

Monday 9 April 2018 10:45 (20 minutes)

Presenter: DEMIRAGLI, Zeynep (Massachusetts Inst. of Technology (US))

Session Classification: LHC Searches

Contribution ID: **6**   Type: **not specified**

Innovating ideas, searches at the LHC

Monday 9 April 2018 11:15 (20 minutes)

Presenter: DOGLIONI, Caterina (Lund University (SE))

Session Classification: LHC Searches

Contribution ID: **7**   Type: **not specified**

LHC data in a useful way of modeling for interpretation

Monday 9 April 2018 11:45 (20 minutes)

Presenter: PILKINGTON, Andrew (University Of Manchester)

Session Classification: LHC Searches

Contribution ID: **8**   Type: **not specified**

Bound states of strongly interacting dark matter

Tuesday 10 April 2018 11:15 (20 minutes)

Presenters: Dr SMIRNOV, Juri (INFN division Florence); SMIRNOV, Juri (Universita e INFN, Firenze (IT))

Session Classification: LHC & Direct Detection

Contribution ID: **9**
Type: **not specified**

Status of the WIMP

Tuesday 10 April 2018 10:45 (20 minutes)

Presenter: KAHLHOEFER, Felix (DESY)

Session Classification: LHC & Direct Detection

Contribution ID: **10**   Type: **not specified**

Direct search for light DM

Tuesday 10 April 2018 11:45 (20 minutes)

Presenter: HOCHBERG, Yonit (Weizmann Institute of Science)

Session Classification: LHC & Direct Detection

Contribution ID: **11**   Type: **not specified**

Dark matter detection with large liquid xenon/argon detectors

Tuesday 10 April 2018 13:45 (20 minutes)

Presenter: SCHUMANN, Marc (University of Bern)

Session Classification: Direct Detection

Contribution ID: 12   Type: **not specified**

DD of low WIMP masses using cryogenic bolometers

Tuesday 10 April 2018 14:15 (20 minutes)

Presenter: STRAUSS, Raimund

Session Classification: Direct Detection

Contribution ID: **13**   Type: **not specified**

Astrophysical uncertainties on dark matter searches

Tuesday 10 April 2018 14:45 (20 minutes)

Presenter: STRIGARI, Louis (Stanford University)

Session Classification: Direct Detection

Contribution ID: 14   Type: **not specified**

Axion dark matter

Tuesday 10 April 2018 16:00 (20 minutes)

Presenter: REDONDO, Javier (Universidad de Zaragoza)

Session Classification: Light Dark Matter

Contribution ID: **15**   Type: **not specified**

Search for axion particles

Tuesday 10 April 2018 16:30 (20 minutes)

Presenter: DÖBRICH, Babette (DESY)

Session Classification: Light Dark Matter

Contribution ID: **16**　　　　　　　　　　　　　　　Type: **not specified**

Presentation of LHC results within EFT to simplified model frameworks

Wednesday 11 April 2018 09:00 (20 minutes)

Presenter: WHALLON, Nikola Lazar (University of Washington (US))

Session Classification: LHC & Direct Detection

Contribution ID: **17** Type: **not specified**

Dark matter properties with a DD signal and LHC searches

Wednesday 11 April 2018 09:30 (20 minutes)

Presenter: CATENA, Riccardo (SISSA)

Session Classification: LHC & Direct Detection

Contribution ID: **18**

Type: **not specified**

Theory of the scattering cross section

Wednesday 11 April 2018 11:00 (20 minutes)

Presenters: ZUPAN, Jure (University of Cincinnati); ZUPAN, Jure (University of Ljubljana)

Session Classification: Connecting Experiments

Contribution ID: 19   Type: **not specified**

Sterile neutrinos as dark matter

Wednesday 11 April 2018 13:15 (20 minutes)

Presenters: SCHNEIDER, Aurel (University of Sussex);   SCHNEIDER, Aurel (University of Zurich)

Session Classification: Future Plans

Contribution ID: **20** Type: **not specified**

New directions in DD

Wednesday 11 April 2018 11:30 (20 minutes)

Presenters: MCCABE, Christopher; Dr MCCABE, Christopher (King's College London); MCCABE, Christopher

Session Classification: Connecting Experiments

Contribution ID: **21**   Type: **not specified**

Asymmetric DM in indirect detection

Monday 9 April 2018 15:30 (20 minutes)

Presenter: Dr BALDES, Iason (DESY)

Session Classification: Indirect Detection

Contribution ID: **22** Type: **not specified**

Connection of indirect detection to LHC

Monday 9 April 2018 16:00 (20 minutes)

Presenter: VOGL, Stefan (Max Planck Institute for Nuclear Physics)

Session Classification: Indirect Detection

Contribution ID: **23**   Type: **not specified**

Sensitivity of CTA to the detection of a DM signal in comparison to direct detection of collider experiements

Monday 9 April 2018 16:30 (20 minutes)

Presenter: Dr SÁNCHEZ-CONDE, Miguel (IFT UAM/CSIC)

Session Classification: Indirect Detection

Contribution ID: **24**   Type: **not specified**

How much can we trust an excess in indirect detection

Wednesday 11 April 2018 13:45 (20 minutes)

Presenter: WENIGER, Christoph (Max Planck Institute for Physics, Munich)

Session Classification: Future Plans