

Searches, Theories, Results, Opportunities, and New ideas for sub-GeV Dark Matter



Report of Contributions

Contribution ID: 2

Type: **not specified**

Thermal Relic Targets

Monday, 5 August 2019 09:30 (1h 15m)

Presenter: RUDERMAN, Joshua (Princeton University)

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 3

Type: **not specified**

Light unstable dark matter and relic neutrinos

Tuesday, 6 August 2019 11:15 (1h 15m)

Presenter: MCKEEN, David (TRIUMF)

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 5

Type: **not specified**

Ultra Light Boson Dark Matter and Event Horizon Telescope Observations of M87*

Monday, 5 August 2019 14:30 (45 minutes)

Presenter: DAVOUDIASL, Hooman (BNL)

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 6

Type: **not specified**

Effective-range approach for dark matter self-scattering

Monday, 5 August 2019 15:45 (45 minutes)

Presenter: Dr GARCIA CELY, Camilo (DESY)

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 7

Type: **not specified**

EDMs and dark sectors

Tuesday, 6 August 2019 09:30 (1h 15m)

Presenter: RITZ, Adam (University of Victoria)

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 8

Type: **not specified**

Dark photon production of DM

Friday, 9 August 2019 09:30 (1h 15m)

Presenter: HAMBYE, Thomas

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 9

Type: **not specified**

Theory of dark matter-electron scattering

Monday, 5 August 2019 11:15 (1h 15m)

Presenter: YU, Tien-Tien

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: **10**

Type: **not specified**

Can the ANITA anomalous events be due to new physics?

Tuesday, 6 August 2019 14:30 (45 minutes)

Presenter: XUE, Wei (MIT)

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 11

Type: **not specified**

The dark matter component of the Gaia sausage structure

Tuesday, 6 August 2019 15:45 (45 minutes)

Presenter: BOZORGNIA, Nassim (IPPP, Durham University)

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 12

Type: **not specified**

Flavor-specific scalar mediators

Friday, 9 August 2019 11:15 (1h 15m)

Primary author: BATELL, Brian Thomas

Presenter: BATELL, Brian Thomas

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 13

Type: **not specified**

Seesaw Dark Matter and Higgs Decay

Friday, 9 August 2019 14:30 (45 minutes)

Primary author: MA, Ernest (University of California, Riverside)

Presenter: MA, Ernest (University of California, Riverside)

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 14

Type: **not specified**

Probing dark matter through cosmic-ray antiparticles

Friday, 9 August 2019 15:45 (45 minutes)

Primary author: ZHOU, Yu-Feng (Institute of Theoretical Physics)

Presenter: ZHOU, Yu-Feng (Institute of Theoretical Physics)

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 15

Type: **not specified**

Probing dark sector with quantum sensors

Wednesday, 7 August 2019 09:00 (1h 10m)

Presenter: Dr DEREVIANKO, Andrei

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 16

Type: **not specified**

TBA

Presenter: KOUVARIS, Chris (CP3-Origins, University of Southern Denmark)

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 17

Type: **not specified**

TBA

Presenter: RAIDAL, Martti (National Institute of Chemical Physics and Biophysics (EE))

Session Classification: Afternoon Talks (35'+10')

Contribution ID: **18**

Type: **not specified**

Dark pion DM: WIMP vs. SIMP

Presenter: KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 19

Type: **not specified**

Recent progress in direct detection of sub-GeV dark matter

Wednesday, 14 August 2019 09:30 (1h 15m)

Presenter: ESSIG, Rouven (Stony Brook University)

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 20

Type: **not specified**

Inverse direct detection: Novel constraints on light dark matter

Wednesday, 14 August 2019 11:15 (1h 15m)

Presenter: BRINGMANN, Torsten (University of Oslo)

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 21

Type: **not specified**

From Large-Scale-Structures to Light dark matter, and back

Friday, 16 August 2019 10:00 (1h 15m)

Presenter: Prof. BOEHM, celine

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 22

Type: **not specified**

TBA

Presenter: VAN TILBURG, Jeroen

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 23

Type: **not specified**

Axion minicluster and constraints from iso-curvature fluctuations

Wednesday, 14 August 2019 14:30 (1h 15m)

Primary author: SCHWETZ, Thomas

Presenter: SCHWETZ, Thomas

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 24

Type: **not specified**

Strongly interacting dark sectors in the early Universe and at the LHC

Friday, 16 August 2019 09:15 (45 minutes)

Presenter: KAHLHOEFER, Felix (RWTH Aachen)

Session Classification: Talks (35'+10')

Contribution ID: 25

Type: **not specified**

Cryogenic scintillating dark matter detectors with a particular focus on the CRESST experiment

Presenter: REINDL, Florian (HEPHY & TU Vienna)

Session Classification: Afternoon Talks (35'+10')

Contribution ID: 26

Type: **not specified**

Registration

Monday, 5 August 2019 09:00 (30 minutes)

Contribution ID: 27

Type: **not specified**

Recent developments in understanding primordial black hole dark matter

Wednesday, 7 August 2019 10:40 (40 minutes)

Presenter: RAIDAL, Martti (National Institute of Chemical Physics and Biophysics (EE))

Session Classification: Talks (35'+10')

Contribution ID: 28

Type: **not specified**

Dark pion DM: WIMP vs. SIMP

Wednesday, 7 August 2019 11:20 (40 minutes)

Presenter: KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Session Classification: Talks (35'+10')

Contribution ID: 29

Type: **not specified**

Dark matter direct detection is testing freeze-in

Wednesday, 14 August 2019 16:15 (15 minutes)

Presenter: VANDERHEYDEN, Laurent (U. Brussels)

Session Classification: Afternoon Talks (13'+2')

Contribution ID: **30**

Type: **not specified**

Freezing-in of Light Scalars

Wednesday, 14 August 2019 16:30 (15 minutes)

Presenter: HEEBA, Saniya (Aachen)

Session Classification: Afternoon Talks (13'+2')

Contribution ID: 31

Type: **not specified**

Dynamical Emergence of a Small cosmological constant

Friday, 16 August 2019 11:45 (1h 15m)

Presenter: VOLANSKY, Tomer (Tel Aviv University (IL))

Session Classification: Blackboard Seminar (60'+15')

Contribution ID: 32

Type: **not specified**

Cosmology in the laboratory

Wednesday, 7 August 2019 12:00 (40 minutes)

Presenter: Prof. LEONHARDT, Ulf (Weizmann Institute)

Session Classification: Talks (35'+10')