

Interdisciplinary approach to QCD-like composite dark matter



Report of Contributions

Contribution ID: 1

Type: **not specified**

On the role of bound states in dark matter freeze-out

Monday 1 October 2018 11:15 (45 minutes)

Presenter: LAINE, Mikko (University of Bern)

Contribution ID: 4

Type: **not specified**

Dark sectors: from DM to colliders

Tuesday 2 October 2018 14:00 (45 minutes)

Presenter: KRIBS, Graham (University of Oregon)

Contribution ID: 5

Type: **not specified**

Axions and topology in QCD

Monday 1 October 2018 14:45 (45 minutes)

Presenter: LOMBARDO, Maria Paola (INFN)

Contribution ID: 6

Type: **not specified**

Strong Dynamics and Dark Matter

Monday 1 October 2018 12:00 (45 minutes)

Presenter: VECCHI, Luca (Switzerland)

Contribution ID: 7

Type: **not specified**

The QCD axion: A candidate for dark matter?

Monday 1 October 2018 16:00 (45 minutes)

Presenter: SCHIERHOLZ, Gerrit (DESY)

Contribution ID: 8

Type: **not specified**

Small scale structure problems?

Tuesday 2 October 2018 10:30 (45 minutes)

Presenter: SCHOLTZ, Jakub (IPPP, Durham University)

Contribution ID: 9

Type: **not specified**

EFT for dark matter direct detection

Tuesday 2 October 2018 11:15 (45 minutes)

Presenter: BROD, Joachim (TU Dortmund)

Contribution ID: 12

Type: **not specified**

Dark matter EFTs at colliders

Tuesday 2 October 2018 14:45 (45 minutes)

Presenter: BRUGGISSER, Sebastian (University of Heidelberg)

Contribution ID: 13

Type: **not specified**

Direct detection signatures of standard and non-standard WIMPs

Tuesday 2 October 2018 16:00 (45 minutes)

Presenter: DEL NOBILE, Eugenio (University of Nottingham)

Contribution ID: 14

Type: **not specified**

The WIMG Model and Potential Relevance to DM Scattering on Nuclear Targets

Presenter: HUSSEIN, Mahir (Instituto De Estudos Avançados-USP)

Contribution ID: 15

Type: **not specified**

Welcome and introduction

Monday 1 October 2018 10:30 (45 minutes)

Presenters: CHALA, Mikael (University of Durham); Dr NARDINI, Germano (AEC - Universität Bern); Dr SANZ, Veronica (Department of Physics and Astronomy - University of Sussex); Dr SCHAICH, David (AEC - Institute for Theoretical Physics - Universität Bern); Dr RAMSEY-MUSOLF, Michael (University of Massachusetts Amherst & Kellogg Radiation Laboratory - California Institute of Technology)

Contribution ID: **16**

Type: **not specified**

Accidental composite dark matter

Wednesday 3 October 2018 10:30 (45 minutes)

Presenter: ANTIPIN, Oleg (Institut Rudjer Boskovic)

Contribution ID: 17

Type: **not specified**

1-flavor SU(2) gauge theory

Wednesday 3 October 2018 11:15 (45 minutes)

Presenter: FRANCIS, Anthony (CERN)

Contribution ID: **18**

Type: **not specified**

Composite dark matter from weak interactions

Wednesday 3 October 2018 14:00 (45 minutes)

Presenter: MAAS, Axel (University of Graz)

Contribution ID: **19**

Type: **not specified**

Dark matter contributions as non-topological excitations of a scalar $SO(3)$ -theory

Wednesday 3 October 2018 14:45 (45 minutes)

Presenter: FABER, Manfred (Atom institut)

Contribution ID: 20

Type: **not specified**

Strongly (Composite) Interacting dark matter and possible formation of non-primordial Solar mass black holes

Wednesday 3 October 2018 16:00 (45 minutes)

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

Contribution ID: 21

Type: **not specified**

Lattice Composite Dark Matter

Thursday 4 October 2018 10:30 (45 minutes)

Presenter: RINALDI, Enrico (RIKEN BNL Research Center)

Contribution ID: 22

Type: **not specified**

The sound of gravitational waves from a confinement phase transition

Thursday 4 October 2018 11:15 (45 minutes)

Presenter: WEIR , David (University of Helsinki)

Contribution ID: 23

Type: **not specified**

Implications of hydrodynamical simulations for direct detection

Thursday 4 October 2018 14:00 (45 minutes)

Presenter: BOZORGNIA, Nassim (University of Durham)

Contribution ID: 24

Type: **not specified**

SU(2) with two fundamental fermions

Thursday 4 October 2018 14:45 (45 minutes)

Presenter: DRACH, Vincent (Plymouth University)

Contribution ID: 25

Type: **not specified**

Dark matter in composite Higgs models

Thursday 4 October 2018 16:00 (45 minutes)

Presenter: CARMONA, Adrian (University of Mainz)

Contribution ID: 26

Type: **not specified**

Dark matter self-interactions: Galactic rotation curves and composite asymmetric dark matter

Friday 5 October 2018 10:30 (45 minutes)

Presenter: KAMADA, Ayuki (IBS-CTPU)

Contribution ID: 27

Type: **not specified**

H portal to fermionic dark matter: freeze-out versus freeze-in

Friday 5 October 2018 11:15 (45 minutes)

Presenter: LOPEZ HONOREZ, Laura (Université Libre de Bruxelles)

Contribution ID: **28**

Type: **not specified**

Final remarks

Friday 5 October 2018 12:00 (45 minutes)