

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

Report of Contributions

Contribution ID: 1

Type: **not specified**

Workshop Report "Colliders Physics and the Early Universe"

Wednesday, 11 October 2017 09:15 (45 minutes)

Primary author: COVI, Laura

Presenter: COVI, Laura

Session Classification: Colliders and the Early Universe

Contribution ID: 2

Type: **not specified**

Recent ALICE results and future perspectives for the role of heavy ion collisions in the understanding of the early universe

Wednesday, 11 October 2017 10:10 (45 minutes)

Presenter: MISCHKE, Andre (Utrecht University (NL))

Session Classification: Colliders and the Early Universe

Contribution ID: 3

Type: **not specified**

Leptogenesis and colliders

Wednesday, 11 October 2017 11:05 (45 minutes)

Presenter: DREWES, Marco

Session Classification: Colliders and the Early Universe

Contribution ID: 4

Type: **not specified**

Visit of the Church and Cloisters of Santa Maria Novella

Contribution ID: 5

Type: **not specified**

The Church of Santa Maria Novella: Devotion, Art and Astronomy in a Florentine Church

Wednesday, 11 October 2017 12:00 (30 minutes)

Contribution ID: 6

Type: **not specified**

Workshop Report "Higgs and the Cosmos"

Tuesday, 10 October 2017 09:15 (45 minutes)

Primary author: DJOUADI, Abdelhak (Universite de Paris-Sud 11 (FR))

Presenter: DJOUADI, Abdelhak (Universite de Paris-Sud 11 (FR))

Session Classification: Higgs

Contribution ID: 7

Type: **not specified**

Higgs Boson Decay and Production at Hadron Colliders

Tuesday, 10 October 2017 17:15 (45 minutes)

Primary author: SPIRA, Michael

Presenter: SPIRA, Michael

Session Classification: Higgs

Contribution ID: 8

Type: **not specified**

Heavy neutrinos meet the triple Higgs coupling

Tuesday, 10 October 2017 10:05 (40 minutes)

Primary author: BAGLIO, Julien

Presenter: BAGLIO, Julien

Session Classification: Higgs

Contribution ID: 9

Type: **not specified**

Electroweak phase transition and Higgs self-coupling measurement

Tuesday, 10 October 2017 10:50 (25 minutes)

Primary author: LEE, Seung J. (KAIST)

Presenter: LEE, Seung J. (KAIST)

Session Classification: Higgs

Contribution ID: **10**

Type: **not specified**

Higgs and Inflation

Tuesday, 10 October 2017 13:45 (30 minutes)

Primary author: BEZRUKOV, Fedor

Presenter: BEZRUKOV, Fedor

Session Classification: Higgs

Contribution ID: 11

Type: **not specified**

Inflation, Spontaneous Generation of the Planck Mass and Weyl Symmetry

Tuesday, 10 October 2017 14:25 (40 minutes)

Primary author: HILL, Christopher T. (FNAL)

Presenter: HILL, Christopher T. (FNAL)

Session Classification: Higgs

Contribution ID: 12

Type: **not specified**

Higgs and Vacuum Stability

Tuesday, 10 October 2017 15:15 (45 minutes)

Primary author: STRUMIA, Alessandro (Pisa)

Presenter: STRUMIA, Alessandro (Pisa)

Session Classification: Higgs

Contribution ID: 13

Type: **not specified**

Fine tuning - SUSY after Higgs

Tuesday, 10 October 2017 16:30 (40 minutes)

Primary author: ROSS, Graham Garland

Presenter: ROSS, Graham Garland

Session Classification: Higgs

Contribution ID: 14

Type: **not specified**

Composite Higgs models

Tuesday, 10 October 2017 11:20 (40 minutes)

Primary author: SANNINO, francesco (CP3-Origins)

Presenter: SANNINO, francesco (CP3-Origins)

Session Classification: Higgs

Contribution ID: 15

Type: **not specified**

Workshop Report "Colliders and Cosmic Rays"

Friday, 13 October 2017 09:20 (45 minutes)

Primary author: LIPARI, Paolo (Universita e INFN, Roma I (IT))

Presenter: LIPARI, Paolo (Universita e INFN, Roma I (IT))

Session Classification: Dark Matter

Contribution ID: 16

Type: **not specified**

Astrophysical signals of Dark Matter

Friday, 13 October 2017 10:15 (30 minutes)

Presenter: FORNENGO, Nicolao (University of Torino and INFN)

Session Classification: Dark Matter

Contribution ID: 17

Type: **not specified**

Cosmic rays and anti-helium as probes of Dark Matter

Friday, 13 October 2017 10:50 (30 minutes)

Primary author: BLUM, Kfir (CERN)

Presenter: BLUM, Kfir (CERN)

Session Classification: Dark Matter

Contribution ID: 18

Type: **not specified**

Probing particle transport in the Galaxy with gamma rays

Friday, 13 October 2017 11:25 (30 minutes)

Primary author: GRASSO, Dario (INFN)

Presenter: GRASSO, Dario (INFN)

Session Classification: Dark Matter

Contribution ID: 19

Type: **not specified**

Searches for dark sector models at LHC

Friday, 13 October 2017 14:00 (30 minutes)

Primary author: VARTAK, Adish (Univ. of California San Diego (US))

Presenter: VARTAK, Adish (Univ. of California San Diego (US))

Session Classification: Dark Matter

Contribution ID: 20

Type: **not specified**

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

Friday, 13 October 2017 14:40 (30 minutes)

Primary author: RADICS, Balint (KFKI RMKI)

Presenter: RADICS, Balint (KFKI RMKI)

Session Classification: Dark Matter

Contribution ID: 21

Type: **not specified**

Workshop Report "Dark Matter and Colliders"

Thursday, 12 October 2017 09:15 (45 minutes)

Primary author: GOUDELIS, Andreas (LPTHE Paris)

Presenter: GOUDELIS, Andreas (LPTHE Paris)

Session Classification: Dark Matter

Contribution ID: 22

Type: **not specified**

Axion phenomenology

Thursday, 12 October 2017 10:10 (30 minutes)

Primary author: VILLADORO, Giovanni (Abdus Salam Int. Cent. Theor. Phys. (IT))

Presenter: VILLADORO, Giovanni (Abdus Salam Int. Cent. Theor. Phys. (IT))

Session Classification: Dark Matter

Contribution ID: 23

Type: **not specified**

Searches for axions at CAST

Thursday, 12 October 2017 10:50 (20 minutes)

Primary author: KARUZA, Marin (Universita e INFN Trieste (IT))

Presenter: KARUZA, Marin (Universita e INFN Trieste (IT))

Session Classification: Dark Matter

Contribution ID: 24

Type: **not specified**

Results from HPS e Perspectives with BDX

Thursday, 12 October 2017 11:20 (35 minutes)

Primary author: D'URSO, Domenico (Universita e INFN, Perugia (IT))

Presenter: D'URSO, Domenico (Universita e INFN, Perugia (IT))

Session Classification: Dark Matter

Contribution ID: 25

Type: **not specified**

Searches for DM mediators

Thursday, 12 October 2017 12:05 (35 minutes)

Primary author: SANTANASTASIO, Francesco (Sapienza Universita e INFN, Roma I (IT))

Presenter: SANTANASTASIO, Francesco (Sapienza Universita e INFN, Roma I (IT))

Session Classification: Dark Matter

Contribution ID: 26

Type: **not specified**

WIMP DM interpretation of Higgs results

Thursday, 12 October 2017 14:00 (35 minutes)

Primary author: WANG, Renjie (LPNHE and Institut Lagrange de Paris - ILP (FR))

Presenter: WANG, Renjie (LPNHE and Institut Lagrange de Paris - ILP (FR))

Session Classification: Dark Matter

Contribution ID: 27

Type: **not specified**

WIMP DM interpretation of SUSY and Exotics results

Thursday, 12 October 2017 14:45 (35 minutes)

Primary author: SCHOUWENBERG, Jeroen (Nikhef National institute for subatomic physics (NL))

Presenter: SCHOUWENBERG, Jeroen (Nikhef National institute for subatomic physics (NL))

Session Classification: Dark Matter

Contribution ID: 28

Type: **not specified**

The MSSM and the LHC and Dark Matter constraints

Thursday, 12 October 2017 15:30 (40 minutes)

Primary author: ARBEY, Alexandre (Lyon U. & CERN TH)

Presenter: ARBEY, Alexandre (Lyon U. & CERN TH)

Session Classification: Dark Matter

Contribution ID: 29

Type: **not specified**

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

Thursday, 12 October 2017 16:40 (40 minutes)

Primary author: BUCHMUELLER, Oliver (Imperial College (GB))

Presenter: BUCHMUELLER, Oliver (Imperial College (GB))

Session Classification: Dark Matter

Contribution ID: 30

Type: **not specified**

From High Scale SUSY to freeze-in scenarios: new insights on alternative dark matter scenarios

Primary author: MAMBRINI, Yann

Presenter: MAMBRINI, Yann

Session Classification: Dark Matter

Contribution ID: **31**

Type: **not specified**

Perspectives for direct DM searches with LZ

Thursday, 12 October 2017 17:30 (30 minutes)

Primary author: VAN DER GRINTEN, Maurits

Presenter: VAN DER GRINTEN, Maurits

Session Classification: Dark Matter

Contribution ID: **32**

Type: **not specified**

Welcome Address

Monday, 9 October 2017 11:00 (10 minutes)

Session Classification: Astroparticle Physics

Contribution ID: 33

Type: **not specified**

The great collider in the sky

Monday, 9 October 2017 11:10 (40 minutes)

Presenter: Prof. SARKAR, Subir (University of Oxford (GB) and Niels Bohr Institute (DK))

Session Classification: Astroparticle Physics

Contribution ID: 34

Type: **not specified**

Review of General Relativity tests and the recent Virgo results

Monday, 9 October 2017 14:00 (45 minutes)

Primary author: DEL POZZO, Walter

Presenter: DEL POZZO, Walter

Session Classification: Astroparticle Physics

Contribution ID: 35

Type: **not specified**

Cosmology and Sterile Neutrinos

Monday, 9 October 2017 14:55 (45 minutes)

Primary author: Dr GARIAZZO, Stefano (IFIC-CSIC/University of Valencia)

Presenter: Dr GARIAZZO, Stefano (IFIC-CSIC/University of Valencia)

Session Classification: Astroparticle Physics

Contribution ID: 36

Type: **not specified**

Dark Kinetic Heating of Neutron Stars

Monday, 9 October 2017 15:50 (45 minutes)

Presenter: BRAMANTE, Joseph (Queen's University & Perimeter Institute)

Session Classification: Astroparticle Physics

Contribution ID: 37

Type: **not specified**

Dark Matter and early Universe cosmology

Monday, 9 October 2017 12:00 (45 minutes)

Presenter: MAMBRINI, Yann

Session Classification: Astroparticle Physics