

3rd BCD ISHEP 2017

Report of Contributions

Contribution ID: 2

Type: **Lecture**

About the Future: visions for particle physics

Friday, 7 April 2017 08:45 (1h 30m)

Presenter: MONTEIL, Stephane (Univ. Blaise Pascal Clermont-Fe. II (FR))

Session Classification: Future

Contribution ID: 4

Type: **Lecture**

Neutrinos-1

Monday, 3 April 2017 14:00 (1h 30m)

Presenter: SIOLI, Maximiliano (Dipartimento di Fisica)

Session Classification: Neutrinos

Contribution ID: 5

Type: **Lecture**

Neutrinos-2

Monday, 3 April 2017 16:00 (1h 30m)

Presenter: SIOLI, Maximiliano (Dipartimento di Fisica)

Session Classification: Neutrinos

Contribution ID: 6

Type: **Lecture**

Cosmology -1

Monday, 3 April 2017 09:00 (1h 30m)

Presenter: ORLOFF, Jean (Université Blaise Pascal - Clermont-Ferrand)

Session Classification: Cosmology

Contribution ID: 7

Type: **Lecture**

Cosmology-2

Monday, 3 April 2017 11:00 (1h 30m)

Presenter: ORLOFF, Jean (Université Blaise Pascal - Clermont-Ferrand)

Session Classification: Cosmology

Contribution ID: 8

Type: **Lecture**

SM-1

Tuesday, 4 April 2017 08:45 (1h 30m)

Presenter: HILLER, Gudrun (Technische Universitaet Dortmund (DE))

Session Classification: Standard Model

Contribution ID: 9

Type: **Lecture**

SM-2

Tuesday, 4 April 2017 10:45 (1h 30m)

Presenter: HILLER, Gudrun (Technische Universitaet Dortmund (DE))

Session Classification: Standard Model

Contribution ID: **10**

Type: **Lecture**

Flavour-1

Tuesday, 4 April 2017 14:00 (1h 30m)

Presenter: CARBONE, Angelo (University of Bologna and INFN (IT))

Session Classification: Flavour Physics

Contribution ID: 11

Type: **Lecture**

Flavour-2

Tuesday, 4 April 2017 16:00 (1h 30m)

Presenter: CARBONE, Angelo (University of Bologna and INFN (IT))

Session Classification: Flavour Physics

Contribution ID: **12**

Type: **Lecture**

BSM-1

Thursday, 6 April 2017 08:45 (1h 30m)

Presenter: BROD, Joachim (TU Dortmund)

Session Classification: Beyond Standard Model

Contribution ID: **13**

Type: **Lecture**

BSM-2

Thursday, 6 April 2017 10:45 (1h 30m)

Presenter: BROD, Joachim (TU Dortmund)

Session Classification: Beyond Standard Model

Contribution ID: **14**

Type: **Lecture**

Top-1

Thursday, 6 April 2017 14:00 (1h 30m)

Presenter: ERDMANN, Johannes (TU Dortmund)

Session Classification: Top Physics

Contribution ID: 15

Type: **Lecture**

Top-2

Thursday, 6 April 2017 16:00 (1h 30m)

Presenter: ERDMANN, Johannes (TU Dortmund)

Session Classification: Top Physics

Contribution ID: **16**

Type: **not specified**

Conclusions

Friday, 7 April 2017 10:45 (1 hour)

Presenter: MONTEIL, Stephane (Univ. Blaise Pascal Clermont-Fe. II (FR))

Contribution ID: 17

Type: **Project to fund**

Lisa

Wednesday, 5 April 2017 16:30 (15 minutes)

The importance of gravitational waves for physics in the future will be outlined

Presenter: HILLER, Gudrun (Technische Universitaet Dortmund (DE))

Session Classification: Projects

Contribution ID: **18**

Type: **Project to fund**

g-2

Wednesday, 5 April 2017 16:45 (15 minutes)

An experimental project for helping the SM theoretical prediction will be defended

Presenter: CARBONE, Angelo (University of Bologna and INFN (IT))

Session Classification: Projects

Contribution ID: **19**

Type: **Project to fund**

COMET

Wednesday, 5 April 2017 17:00 (15 minutes)

The importance of the tremendous improvement (4 orders of magnitude!!) offered by the COMET (and related) experiment on charged lepton flavour violation (cLFV) will be outlined

Presenter: ORLOFF, Jean (Université Blaise Pascal - Clermont-Ferrand)

Session Classification: Projects

Contribution ID: 20

Type: **Project to fund**

Theory (+muon collider)

Wednesday, 5 April 2017 17:15 (15 minutes)

Presenter: MONTEIL, Stephane (Univ. Blaise Pascal Clermont-Fe. II (FR))

Session Classification: Projects

Contribution ID: 21

Type: **Project to fund**

SHIP

Wednesday, 5 April 2017 17:30 (15 minutes)

Presenter: SIOLI, Maximiliano (Dipartimento di Fisica)

Session Classification: Projects

Contribution ID: 22

Type: **Project to fund**

FCC (ee & hh)

Wednesday, 5 April 2017 17:45 (15 minutes)

Presenter: ERDMANN, Johannes (TU Dortmund)

Session Classification: Projects

Contribution ID: 23

Type: **Project to fund**

XENON nT

Wednesday, 5 April 2017 18:00 (15 minutes)

Presenter: BROD, Joachim (TU Dortmund)

Session Classification: Projects

Contribution ID: 24

Type: **Student presentation**

From Quark model to QCD

Wednesday, 5 April 2017 08:45 (10 minutes)

Presenter: BARONE, Alessandro (U. Bologna)

Session Classification: Students

Contribution ID: 25

Type: **Student presentation**

Time dependent Dalitz plot analysis of charmless B0 decays

Wednesday, 5 April 2017 08:55 (10 minutes)

Presenter: HAKIMI, Alexandre (U. Clermont Auvergne)

Session Classification: Students

Contribution ID: 26

Type: **Student presentation**

KLfitter studies for semi-boosted tt events with the ATLAS detector

Wednesday, 5 April 2017 09:05 (10 minutes)

Presenter: WENDLAND, Björn (T.U. Dortmund)

Session Classification: Students

Contribution ID: 27

Type: **Student presentation**

Steriles and neutrino masses

Wednesday, 5 April 2017 09:15 (10 minutes)

Presenter: GIRARD-CARILLO, Cloé (U. Clermont-Auvergne)

Session Classification: Students

Contribution ID: 28

Type: **Student presentation**

Combination of top quark measurements in the context of effective field theories using EFTfitter

Wednesday, 5 April 2017 09:25 (10 minutes)

Presenter: GRUNWALD, Cornelius (T.U. Dortmund)

Session Classification: Students

Contribution ID: 29

Type: **Student presentation**

KK spectrum and altered fermion dispersion relations in asymmetrically warped 5-D spacetimes

Wednesday, 5 April 2017 09:35 (10 minutes)

Presenter: DÖRING, Dominik (T.U. Dortmund)

Session Classification: Students

Contribution ID: 30

Type: **Student presentation**

Direct DM Detection in SU(2) Chiral Perturbation Theory

Wednesday, 5 April 2017 09:45 (10 minutes)

Presenter: ERTAS, Fatih (T.U. Dortmund)

Session Classification: Students

Contribution ID: 31

Type: **Student presentation**

Interconnection networks simulations for computing systems dedicated to scientific applications at the exascale

Wednesday, 5 April 2017 09:55 (10 minutes)

Presenter: PISANI, Flavio (U. Bologna)

Session Classification: Students

Contribution ID: 32

Type: **Student presentation**

DM Indirect Detection with AMS-02

Wednesday, 5 April 2017 10:45 (10 minutes)

Presenter: BRUSCHINI, Francesco (U. Bologna)

Session Classification: Students

Contribution ID: 33

Type: **Student presentation**

Studies on the single production of vector-like B-quarks with $B \rightarrow bH$ in the $H \rightarrow \gamma\gamma$ channel

Wednesday, 5 April 2017 10:55 (10 minutes)

Presenter: SCHRÖDER, Frederic (T.U. Dortmund)

Session Classification: Students

Contribution ID: 34

Type: **Student presentation**

Apparent Relativity Violation

Wednesday, 5 April 2017 11:05 (10 minutes)

Presenter: OURIAGHLI, Hicham (U. Clermont-Auvergne)

Session Classification: Students

Contribution ID: 35

Type: **Student presentation**

Λ c detection in ALICE using a weighted Bayesian PID approach

Wednesday, 5 April 2017 11:15 (10 minutes)

Presenter: GIACALONE, Marco (U. Bologna)

Session Classification: Students

Contribution ID: 36

Type: **Student presentation**

Jet Cleaning Studies for Monotop Topologies

Wednesday, 5 April 2017 11:25 (10 minutes)

Presenter: NAGEL, Marius (T.U. Dortmund)

Session Classification: Students

Contribution ID: 37

Type: **Student presentation**

Xenon1T

Wednesday, 5 April 2017 11:35 (10 minutes)

Presenter: GIROTTI, Paolo (U. Bologna)

Session Classification: Students

Contribution ID: 38

Type: **Student presentation**

Constrains on the top quark width from cross section and branching ratio measurements using EFTfitter

Wednesday, 5 April 2017 11:45 (10 minutes)

Presenter: LA CAGNINA, Salvatore (T.U. Dortmund)

Session Classification: Students

Contribution ID: 39

Type: **Student presentation**

Improvement of planar silicon Pixel Sensors for the ATLAS ITk upgrade

Wednesday, 5 April 2017 11:55 (10 minutes)

Presenter: DUNGS, Sascha (T.U. Dortmund)

Session Classification: Students

Contribution ID: 40

Type: **Student presentation**

Optimization of background suppression in search for vector-like T with the ATLAS detector

Wednesday, 5 April 2017 14:30 (10 minutes)

Presenter: MAHN, Simon Michael (T.U. Dortmund)

Session Classification: Students

Contribution ID: 41

Type: **Student presentation**

Feasibility study of the reconstruction of the decay $D^0 \rightarrow K^- \mu^+ \nu_\mu$ at LHCb

Wednesday, 5 April 2017 14:40 (10 minutes)

Presenter: MONTESANO, Simone (U. Bologna)

Session Classification: Students

Contribution ID: 42

Type: **Student presentation**

Boosted Event Selection for Vector-Like Quarks Pair Production in $TT \rightarrow WbZt$ and $BB \rightarrow WtZb$

Wednesday, 5 April 2017 14:50 (10 minutes)

Presenter: OPPERMANN, Stella (T.U. Dortmund)

Session Classification: Students

Contribution ID: 43

Type: **Student presentation**

SoLid Experiment: Physics Case and Detector Simulation with Geant4

Wednesday, 5 April 2017 15:00 (10 minutes)

Presenter: BUI TRUONG, Thanh (U. Clermont-Auvergne)

Session Classification: Students

Contribution ID: 44

Type: **Student presentation**

SM test in $R(D^{(*)})$ Anomaly

Wednesday, 5 April 2017 15:10 (10 minutes)

Presenter: PETERS, Torben (T.U. Dortmund)

Session Classification: Students

Contribution ID: 45

Type: **Student presentation**

Prototype of a charged particles tracking device

Wednesday, 5 April 2017 15:20 (10 minutes)

Presenter: FABRI, Vlad (U. Bologna)

Session Classification: Students

Contribution ID: 46

Type: **Student presentation**

Search for Single Vector-like Quarks in $T \rightarrow Z_{inv} t_{had}$ with ATLAS

Wednesday, 5 April 2017 15:30 (10 minutes)

Presenter: AUSTRUP, Volker (T.U. Dortmund)

Session Classification: Students

Contribution ID: 47

Type: **not specified**

Welcome

Monday, 3 April 2017 08:45 (15 minutes)

Presenter: MONTEIL, Stephane (Univ. Blaise Pascal Clermont-Fe. II (FR))