

# **CHIPP PhD Winter School 2015**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Flavour physics (1/2)

*Monday, 19 January 2015 09:00 (2 hours)*

**Presenter:** F. KAMENIK, Jernej (Jozef Stefan Institute)

Contribution ID: 1

Type: **not specified**

## LHC physics (1/3)

*Monday, 19 January 2015 11:30 (1 hour)*

**Presenter:** DE ROECK, Albert (CERN)

Contribution ID: 2

Type: **not specified**

## Particle detectors (1/2)

*Monday, 19 January 2015 14:00 (2 hours)*

**Presenter:** KOFFEMAN, Els (NIKHEF (NL))

Contribution ID: 3

Type: **not specified**

## Neutrinos (1/2)

*Monday, 19 January 2015 16:30 (2 hours)*

**Presenter:** SCHOENERT, Stefan

Contribution ID: 4

Type: **not specified**

## School opening and welcome

*Monday, 19 January 2015 08:45 (15 minutes)*

**Presenter:** Prof. CHIOCHIA, Vincenzo (Universitaet Zuerich (CH))

Contribution ID: 5

Type: **not specified**

## Particle detectors and medical applications (2/2)

*Tuesday, 20 January 2015 09:00 (2 hours)*

**Presenter:** KOFFEMAN, Els (NIKHEF (NL))

Contribution ID: 6

Type: **not specified**

## Flavour physics (2/2)

*Tuesday, 20 January 2015 11:30 (1 hour)*

**Presenter:** F. KAMENIK, Jernej (Jozef Stefan Institute)



Contribution ID: 7

Type: **not specified**

## Neutrinos (2/2)

*Tuesday, 20 January 2015 15:00 (2 hours)*

**Presenter:** SCHOENERT, Stefan

Contribution ID: 8

Type: **not specified**

## LHC physics (2/3)

*Tuesday, 20 January 2015 17:30 (1 hour)*

**Presenter:** DE ROECK, Albert (CERN)

Contribution ID: 9

Type: **not specified**

## LHC physics (3/3)

*Wednesday, 21 January 2015 09:00 (2 hours)*

**Presenter:** DE ROECK, Albert (CERN)

Contribution ID: **10**

Type: **not specified**

## **Cosmology and Astroparticle physics (1/2)**

*Thursday, 22 January 2015 09:00 (2 hours)*

**Presenter:** KUNZ, Martin (Universite de Geneve (CH))

Contribution ID: **11**

Type: **not specified**

## **Cosmology and Astroparticle physics (2/2)**

*Thursday, 22 January 2015 14:00 (2 hours)*

**Presenter:** KUNZ, Martin (Universite de Geneve (CH))

Contribution ID: **12**

Type: **not specified**

## Presentation

**Presenter:** BARROW, Peter Richard (Harvard University (US))

Contribution ID: **13**

Type: **not specified**

## The XENON1T TPC

*Thursday, 22 January 2015 11:30 (12 minutes)*

**Presenter:** BARROW, Peter Richard (Harvard University (US))

**Session Classification:** Student presentations

Contribution ID: 14

Type: **not specified**

## **LHCb experiment: ST calibration and performance**

*Thursday, 22 January 2015 11:42 (12 minutes)*

**Presenter:** BATTISTA, Vincenzo (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Student presentations



Contribution ID: **15**

Type: **not specified**

## Presentation

**Presenter:** Mr BERGER, Pirmin (ETH Zurich)

Contribution ID: **16**

Type: **not specified**

## How to look into darkness with XENON1T

*Thursday, 22 January 2015 11:54 (12 minutes)*

**Presenter:** BÜTIKOFER, Lukas (University of Bern)

**Session Classification:** Student presentations

Contribution ID: 17

Type: **not specified**

## Fast simulation in ATLAS for upgrade studies

*Thursday, 22 January 2015 12:06 (12 minutes)*

**Presenter:** CALACE, Noemi (Universite de Geneve (CH))

**Session Classification:** Student presentations

Contribution ID: **18**

Type: **not specified**

## **Sterile Neutrinos at Future Colliders**

*Thursday, 22 January 2015 12:18 (12 minutes)*

**Presenter:** Mr CAZZATO, Eros (University of Basel)

**Session Classification:** Student presentations

Contribution ID: **19**

Type: **not specified**

## **False vacuum energy dominated inflation with large $r$ and the importance of $\kappa_s$**

*Friday, 23 January 2015 09:00 (12 minutes)*

**Presenter:** Mr CEFALA, Francesco (University of Basel)

**Session Classification:** Student presentations

Contribution ID: 20

Type: **not specified**

## IceCube time dependent point source searches

*Friday, 23 January 2015 09:12 (12 minutes)*

**Presenter:** CHRISTOV, Asen (Universite de Geneve (CH))

**Session Classification:** Student presentations

Contribution ID: 21

Type: **not specified**

## **SAFIR: towards a high-rate capable PET insert**

*Friday, 23 January 2015 09:24 (12 minutes)*

**Presenter:** FISCHER, Jannis (Eidgenoessische Tech. Hochschule Zuerich (CH))

**Session Classification:** Student presentations

Contribution ID: 22

Type: **not specified**

## **Simulation studies and detector characterization for the LHCb SciFi Tracker**

*Friday, 23 January 2015 09:36 (12 minutes)*

**Presenter:** GIANI, Sebastiana (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Student presentations



Contribution ID: 23

Type: **not specified**

## Search for Hidden Particles

*Friday, 23 January 2015 09:48 (12 minutes)*

**Presenter:** GRAVERINI, Elena (Universitaet Zuerich (CH))

**Session Classification:** Student presentations

Contribution ID: 24

Type: **not specified**

## Study of $B \rightarrow \pi \mu \mu$ decays at LHCb

*Friday, 23 January 2015 10:00 (12 minutes)*

**Presenter:** KOMAROV, Ilya (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Student presentations

Contribution ID: 25

Type: **not specified**

## Search for long-living scalar particle at LHCb

*Friday, 23 January 2015 10:12 (12 minutes)*

**Presenter:** MAURI, Andrea (UZH)

**Session Classification:** Student presentations

Contribution ID: 26

Type: **not specified**

## Nuclear pairing from realistic forces

*Friday, 23 January 2015 10:24 (12 minutes)*

**Presenter:** Mr MAURIZIO, Stefano (University of Bern)

**Session Classification:** Student presentations

Contribution ID: 27

Type: **not specified**

## **Top Tagging and Matrix Element Method for $t\bar{t}H/t\bar{t}+\text{Jets}$ separation at 13 TeV**

*Friday, 23 January 2015 10:36 (12 minutes)*

**Presenter:** MEINHARD, Maren Tabea (Eidgenoessische Tech. Hochschule Zuerich (CH))

**Session Classification:** Student presentations

Contribution ID: 28

Type: **not specified**

## ATLAS RX Pixel Plugins

**Presenter:** MULLIER, Geoffrey (Universitaet Bern (CH))

Contribution ID: 29

Type: **not specified**

## ATLAS pixels Rx Plugins

*Friday, 23 January 2015 10:48 (12 minutes)*

**Presenter:** MULLIER, Geoffrey (Universitaet Bern (CH))

**Session Classification:** Student presentations

Contribution ID: 30

Type: **not specified**

## **Polarization amplitudes and CP asymmetries in $B^0 \rightarrow \Phi K^*(892)$ at LHCb**

*Friday, 23 January 2015 11:30 (12 minutes)*

**Presenter:** NGUYEN, Anh Duc (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Student presentations



Contribution ID: 31

Type: **not specified**

## Photon polarisation in $b \rightarrow s$ gamma transition at LHCb

*Friday, 23 January 2015 11:42 (12 minutes)*

**Presenter:** XU, Zhirui (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Student presentations