

# **Flavour and Dark Matter**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Charged LFV overview

*Thursday, September 28, 2017 9:30 AM (30 minutes)*

**Presenter:** KOPP, Joachim (Johannes-Gutenberg-Universitaet Mainz (DE))

**Session Classification:** Lepton flavour violation

Contribution ID: 2

Type: **not specified**

## **DM at mu3e**

*Thursday, September 28, 2017 11:30 AM (30 minutes)*

**Presenter:** SCHOENING, Andre (Ruprecht-Karls-Universitaet Heidelberg (DE))

**Session Classification:** Lepton flavour violation

Contribution ID: 3

Type: **not specified**

## **The future at NA62**

*Thursday, September 28, 2017 11:00 AM (30 minutes)*

**Presenter:** KHORIAULI, Gia (Johannes Gutenberg Universitaet Mainz (DE))

**Session Classification:** Lepton flavour violation

Contribution ID: 4

Type: **not specified**

## **Axiflapon theory**

*Tuesday, September 26, 2017 9:30 AM (30 minutes)*

**Presenter:** GOERTZ, Florian (Max-Planck-Gesellschaft (DE))

**Session Classification:** Axions

Contribution ID: 5

Type: **not specified**

## **Axions beyond DFSZ/KSVZ**

*Tuesday, September 26, 2017 10:00 AM (30 minutes)*

**Presenter:** DI LUZIO, Luca

**Session Classification:** Axions

Contribution ID: 6

Type: **not specified**

## **MFV with ALPs**

*Tuesday, September 26, 2017 11:00 AM (30 minutes)*

**Presenter:** IM, Sang Hui (Seoul National University)

**Session Classification:** Axions

Contribution ID: 7

Type: **not specified**

## Theory overview for sterile neutrinos

*Monday, September 25, 2017 1:55 PM (30 minutes)*

**Presenter:** DREWES, Marco (Ecole Polytechnique Federale de Lausanne (EPFL))

**Session Classification:** Sterile neutrinos



Contribution ID: 8

Type: **not specified**

## **Sterile neutrinos at LHCb**

*Monday, September 25, 2017 2:25 PM (30 minutes)*

**Presenter:** FISCHER, Oliver (Unibas)

**Session Classification:** Sterile neutrinos

Contribution ID: 9

Type: **not specified**

## **Sterile neutrinos at NA62**

*Monday, September 25, 2017 2:55 PM (30 minutes)*

**Presenter:** PERUZZO, Letizia (Johannes Gutenberg Universitaet Mainz (DE))

**Session Classification:** Sterile neutrinos

Contribution ID: **10**

Type: **not specified**

## **Sterile neutrinos at KATRIN and beyond**

*Monday, September 25, 2017 3:55 PM (30 minutes)*

**Presenter:** MERTENS, Susanne (KIT)

**Session Classification:** Sterile neutrinos

Contribution ID: 11

Type: **not specified**

## **ECHO and beyond**

*Monday, September 25, 2017 4:25 PM (30 minutes)*

**Presenter:** GASTALDO, Loredana (Heidelberg University)

**Session Classification:** Sterile neutrinos

Contribution ID: 12

Type: **not specified**

## **The flavour portal to dark matter**

*Wednesday, September 27, 2017 9:30 AM (30 minutes)*

**Presenter:** CRIVELLIN, Andreas

**Session Classification:** Flavoured dark sector

Contribution ID: 13

Type: **not specified**

## Flavoured dark matter

*Wednesday, September 27, 2017 10:00 AM (30 minutes)*

**Presenter:** VERHAAREN, Christopher (University of California, Davis)

**Session Classification:** Flavoured dark sector

Contribution ID: 14

Type: **not specified**

## **FCNC portals to dark sector**

*Wednesday, September 27, 2017 11:00 AM (30 minutes)*

**Presenter:** SMITH, Christopher (LPSC)

**Session Classification:** Flavoured dark sector

Contribution ID: 15

Type: **not specified**

## Hidden photons

*Wednesday, September 27, 2017 3:30 PM (30 minutes)*

**Presenter:** FOLDENAUER, Patrick

**Session Classification:** Dark photons and  $Z'$  bosons



Contribution ID: 16

Type: **not specified**

## Dark photons at NA62

*Wednesday, September 27, 2017 4:00 PM (30 minutes)*

**Presenter:** KHORIAULI, Gia (Johannes Gutenberg Universitaet Mainz (DE))

**Session Classification:** Dark photons and  $Z'$  bosons

Contribution ID: 17

Type: **not specified**

## **Chiral effective theory of dark matter direct detection**

*Wednesday, September 27, 2017 5:00 PM (30 minutes)*

**Presenter:** BISHARA, Fady (University of Oxford)

**Session Classification:** Dark photons and  $Z'$  bosons

Contribution ID: **18**

Type: **not specified**

## **Search for Heavy Neutral Leptons at SHiP**

*Monday, September 25, 2017 4:55 PM (30 minutes)*

**Presenter:** WURM, Michael (Johannes-Gutenberg-Universitaet Mainz (DE))

**Session Classification:** Sterile neutrinos

Contribution ID: 19

Type: **not specified**

## Direct dark matter searches at LHCb

*Wednesday, September 27, 2017 2:30 PM (30 minutes)*

**Presenter:** BORSATO, Martino (Universidade de Santiago de Compostela (ES))

**Session Classification:** Dark photons and  $Z'$  bosons

Contribution ID: 20

Type: **not specified**

## **Lepton Flavour Violation, Majorana Neutrinos and the B anomalies at LHCb**

*Thursday, September 28, 2017 10:00 AM (30 minutes)*

**Presenter:** PATEL, Mitesh (Imperial College (GB))

**Session Classification:** Lepton flavour violation

Contribution ID: 21

Type: **not specified**

## **Dark Sector Searches at BaBar and Belle II**

*Wednesday, September 27, 2017 11:30 AM (30 minutes)*

**Presenter:** Dr FERBER, Torben (University Of British Columbia)

**Session Classification:** Flavoured dark sector

Contribution ID: 23

Type: **not specified**

## **Light mediators in B decays and links to DM**

*Tuesday, September 26, 2017 11:30 AM (30 minutes)*

**Presenter:** BISHARA, Fady (University of Oxford)

**Session Classification:** Axions

Contribution ID: 25

Type: **not specified**

## **Dark matter in a 2-Higgs-doublet model**

*Wednesday, September 27, 2017 1:30 PM (30 minutes)*

**Presenter:** QUEIROZ, FARINALDO (Max Planck Institute for Nuclear Physics - Heidelberg)

**Session Classification:** Dark photons and  $Z'$  bosons



Contribution ID: 26

Type: **not specified**

## **Explanation of the Beryllium anomaly through a dark $Z'$**

*Wednesday, September 27, 2017 2:00 PM (30 minutes)*

**Presenter:** DELLE ROSE, Luigi (Rutherford Appleton Lab and University of Southampton)

**Session Classification:** Dark photons and  $Z'$  bosons

Contribution ID: 27

Type: **not specified**

## **BBQ**

*Wednesday, September 27, 2017 7:00 PM (3 hours)*

Contribution ID: 28

Type: **not specified**

## **Dark photon search and invisible decays at BES III**

*Wednesday, September 27, 2017 4:30 PM (30 minutes)*

**Presenter:** WANG, Dayong (Peking University (CN))

**Session Classification:** Dark photons and  $Z'$  bosons

Contribution ID: 29

Type: **not specified**

## Dark matter and g-2

*Thursday, September 28, 2017 12:00 PM (30 minutes)*

**Presenter:** CALIBBI, Lorenzo

**Session Classification:** Lepton flavour violation

Contribution ID: **30**

Type: **not specified**

## **Displaced vertices from heavy neutrinos at the LHC**

*Monday, September 25, 2017 5:25 PM (30 minutes)*

**Presenter:** DELLE ROSE, Luigi (Rutherford Appleton Lab and University of Southampton)

**Session Classification:** Sterile neutrinos

Contribution ID: 31

Type: **not specified**

## **B decays with invisibles in the final state**

*Tuesday, September 26, 2017 12:00 PM (30 minutes)*

**Presenter:** HECK, Martin

**Session Classification:** Axions

Contribution ID: **32**

Type: **not specified**

## **Bus transfer to KIT**

*Tuesday, September 26, 2017 2:00 PM (1h 15m)*

**Session Classification:** Excursion

Contribution ID: 33

Type: **not specified**

## Check-in at KIT Campus North

*Tuesday, September 26, 2017 3:15 PM (15 minutes)*

**Session Classification:** Excursion



Contribution ID: 34

Type: **not specified**

## **Visit of Tritium Laboratory and KATRIN experiment**

*Tuesday, September 26, 2017 3:30 PM (2 hours)*

**Session Classification:** Excursion

Contribution ID: 35

Type: **not specified**

## **Bus transfer to Karlsruhe with optional sightseeing tour**

*Tuesday, September 26, 2017 5:30 PM (30 minutes)*

**Session Classification:** Excursion