

**UK Flavour 2017**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Session 1

Contribution ID: 1

Type: **not specified**

## **Rare Kaon decays on the lattice**

*Monday 4 September 2017 12:00 (20 minutes)*

Antonin Portelli

**Author:** PORTELLI, Antonin

**Presenter:** PORTELLI, Antonin

**Session Classification:** Session 1 - Kaon 1

Contribution ID: 2

Type: **not specified**

## Rare Kaon decays

*Monday 4 September 2017 11:00 (20 minutes)*

**Presenter:** GORBAHN, Martin

**Session Classification:** Session 1 - Kaon 1

Contribution ID: 3

Type: **not specified**

## Search for $K$ to $\pi^+ \nu \bar{\nu}$ at NA62

*Monday 4 September 2017 11:30 (20 minutes)*

**Presenter:** DUK, Viacheslav

**Session Classification:** Session 1 - Kaon 1

Contribution ID: 4

Type: **not specified**

## **Isopin effects on the lattice**

*Monday 4 September 2017 14:00 (20 minutes)*

**Presenter:** GUELPERS, Vera

**Session Classification:** Session 2 - Kaon 2

Contribution ID: 5

Type: **not specified**

## **Searches for hidden sector particles and LFC tests at NA62**

*Monday 4 September 2017 14:30 (20 minutes)*

**Presenter:** GOUDZOVSKI, Evgueni

**Session Classification:** Session 2 - Kaon 2

Contribution ID: 6

Type: **not specified**

## **Rare strange decays at LHCb**

*Monday 4 September 2017 15:00 (20 minutes)*

**Presenter:** DETTORI, Francesco

**Session Classification:** Session 2 - Kaon 2



Contribution ID: 7

Type: **not specified**

## **Challenges and recent progress in leptonic and semi-leptonic charmed meson decays on the lattice**

*Monday 4 September 2017 16:00 (20 minutes)*

**Presenter:** TSANG, Tobias

**Session Classification:** Session 3 - Charm Physics

Contribution ID: 8

Type: **not specified**

## **The HQE in the charm system**

*Monday 4 September 2017 16:30 (20 minutes)*

**Presenter:** RAUH, Thomas

**Session Classification:** Session 3 - Charm Physics

Contribution ID: 9

Type: **not specified**

## Charm Physics at LHCb

*Monday 4 September 2017 17:00 (20 minutes)*

**Presenter:** WILLIAMS, Mark

**Session Classification:** Session 3 - Charm Physics

Contribution ID: **10**

Type: **not specified**

## **Lattice predictions for lifetimes and mixing**

*Tuesday 5 September 2017 09:00 (20 minutes)*

**Presenter:** DAVIES, Christine

**Session Classification:** Session 4 - Lifetimes and mixing

Contribution ID: 11

Type: **not specified**

## **Status quo of mixing and lifetimes**

*Tuesday 5 September 2017 09:30 (20 minutes)*

**Presenter:** LENZ, Alexander

**Session Classification:** Session 4 - Lifetimes and mixing

Contribution ID: 12

Type: **not specified**

## **Experimental status of lifetimes, mixing and CP violation**

*Tuesday 5 September 2017 10:00 (20 minutes)*

**Presenter:** NEEDHAM, Matt

**Session Classification:** Session 4 - Lifetimes and mixing

Contribution ID: 13

Type: **not specified**

## **Rare B decays on the lattice**

*Tuesday 5 September 2017 14:00 (20 minutes)*

**Presenter:** WITZEL, Oliver

**Session Classification:** Session 5 - Rare decays I

Contribution ID: 14

Type: **not specified**

## **Charming new physics in rare decays**

*Tuesday 5 September 2017 14:30 (20 minutes)*

**Presenter:** LESLIE, Kirsty

**Session Classification:** Session 5 - Rare decays I



Contribution ID: 15

Type: **not specified**

## **B to mu mu and LFUV**

*Tuesday 5 September 2017 15:00 (20 minutes)*

**Presenter:** CLIFF, Harry

**Session Classification:** Session 5 - Rare decays I

Contribution ID: 16

Type: **not specified**

## **Rare B decays in the SM and beyond**

*Tuesday 5 September 2017 11:00 (20 minutes)*

**Presenter:** JÄGER, Sebastian

**Session Classification:** Session 6: Rare decays II

Contribution ID: 17

Type: **not specified**

## **b to s II**

*Tuesday 5 September 2017 11:30 (20 minutes)*

**Presenter:** PETRIDIS, Kostas

**Session Classification:** Session 6: Rare decays II

Contribution ID: **18**

Type: **not specified**

## **Indirect searches for new physics at ATLAS**

*Tuesday 5 September 2017 12:00 (20 minutes)*

**Presenter:** BONA, Marcella

**Session Classification:** Session 6: Rare decays II

Contribution ID: **19**

Type: **not specified**

## Welcome

*Monday 4 September 2017 10:55 (5 minutes)*

**Presenter:** ELLIS, Keith

**Session Classification:** Session 1 - Kaon 1

Contribution ID: 20

Type: **not specified**

## **Semileptonic B decays on the lattice**

*Tuesday 5 September 2017 16:00 (20 minutes)*

**Presenter:** BOUCHARD, Chris

**Session Classification:** Session 7: Semileptonic B decays

Contribution ID: 21

Type: **not specified**

## **New physics searches with semileptonic B decays**

*Tuesday 5 September 2017 16:30 (20 minutes)*

**Presenter:** VALE SILVA, Luiz

**Session Classification:** Session 7: Semileptonic B decays

Contribution ID: 22

Type: **not specified**

## **Semileptonic B decays and asymmetries**

*Tuesday 5 September 2017 17:00 (20 minutes)*

**Presenter:** VESTERINEN, Mika

**Session Classification:** Session 7: Semileptonic B decays



Contribution ID: 23

Type: **not specified**

## **Lattice results for spectroscopy**

*Wednesday 6 September 2017 08:45 (20 minutes)*

**Presenter:** WILSON, David

**Session Classification:** Session 8: Spectroscopy

Contribution ID: 24

Type: **not specified**

## **Tools for Spectroscopy**

*Wednesday 6 September 2017 09:15 (20 minutes)*

**Presenter:** PENNINGTON, Mike

**Session Classification:** Session 8: Spectroscopy

Contribution ID: 25

Type: **not specified**

## **Recent highlights in heavy flavour production and spectroscopy from LHCb**

*Wednesday 6 September 2017 09:45 (20 minutes)*

**Presenter:** SPRADLIN, Patrick

**Session Classification:** Session 8: Spectroscopy

Contribution ID: 26

Type: **not specified**

## **Associated production of heavy flavours**

*Wednesday 6 September 2017 10:15 (20 minutes)*

**Presenter:** PRICE, Darren

**Session Classification:** Session 8: Spectroscopy

Contribution ID: 27

Type: **not specified**

## **Exotic hadrons on the lattice**

*Wednesday 6 September 2017 11:00 (20 minutes)*

**Presenter:** CHEUNG, Gavin

**Session Classification:** Session 9: Exotics

Contribution ID: 28

Type: **not specified**

## Exotic hadrons

*Wednesday 6 September 2017 11:30 (20 minutes)*

**Presenter:** BURNS, Timothy

**Session Classification:** Session 9: Exotics

Contribution ID: 29

Type: **not specified**

## **Status and prospects of exotic hadron searches at LHCb**

*Wednesday 6 September 2017 12:00 (20 minutes)*

**Presenter:** COWAN, Greig

**Session Classification:** Session 9: Exotics

Contribution ID: **30**

Type: **not specified**

## **Theory status of hadronic B decays**

*Wednesday 6 September 2017 14:00 (20 minutes)*

**Presenter:** VIRTO, Javier

**Session Classification:** Session 10: Hadronic B decays



Contribution ID: 31

Type: **not specified**

## **Experimental status of hadronic B-decays**

*Wednesday 6 September 2017 14:30 (20 minutes)*

**Presenter:** QIAN, Wenbin

**Session Classification:** Session 10: Hadronic B decays

Contribution ID: 32

Type: **not specified**

## Determination of the CKM angle $\gamma$

*Wednesday 6 September 2017 15:00 (20 minutes)*

**Presenter:** KENZIE, Matt

**Session Classification:** Session 10: Hadronic B decays

Contribution ID: **33**

Type: **not specified**

## **BSM on the lattice**

*Wednesday 6 September 2017 16:00 (20 minutes)*

**Presenter:** RAGO, Antonio

**Session Classification:** Session 11

Contribution ID: **34**

Type: **not specified**

## **BSM**

*Wednesday 6 September 2017 16:30 (20 minutes)*

**Presenter:** GRIPAIOS, Ben

**Session Classification:** Session 11

Contribution ID: 35

Type: **not specified**

## **Future developments**

*Wednesday 6 September 2017 17:00 (20 minutes)*

**Presenter:** WILKINSON, Guy

**Session Classification:** Session 11

Contribution ID: **36**

Type: **not specified**

## **Closing**

*Wednesday 6 September 2017 17:25 (5 minutes)*

**Session Classification:** Session 11

Contribution ID: 37

Type: **not specified**

## Quark mass determinations on the lattice

*Monday 4 September 2017 17:30 (20 minutes)*

**Presenter:** ANDREW, Lytle

**Session Classification:** Session 3 - Charm Physics