# Instant workshop on B meson anomalies

# Report of Contributions

https://indico.cern.ch/e/633880

Contribution ID: **2** Type: **not specified**

# Lepton Universality Violation in B-Meson Decays

*Wednesday 17 May 2017 14:00 (1 hour)*

**Presenter:** GRINSTEIN, Benjamin (Univ. of California San Diego (US))

**Session Classification:** TH Colloquium

Contribution ID: **3** Type: **not specified**

# Measurements of RD(*) and siblings

*Wednesday 17 May 2017 15:30 (20 minutes)*

**Presenter:** CIEZAREK, Gregory Max (Nikhef National institute for subatomic physics (NL))

**Session Classification:** R(D), R(D*), B->D \tau \nu

Contribution ID: **4** Type: **not specified**

# Lattice inputs for the SM predictions of RD(*)

*Wednesday 17 May 2017 16:00 (20 minutes)*

**Presenter:** EL-KHADRA, Aida (UIUC)

**Session Classification:** R(D), R(D*), B->D \tau \nu

Contribution ID: **5** Type: **not specified**

# LQCD other modes

*Wednesday 17 May 2017 16:30 (10 minutes)*

**Presenter:** LYTLE, Andrew (University of Glasgow)

**Session Classification:** R(D), R(D*), B->D \tau \nu

Contribution ID: **6** Type: **not specified**

# Combined Analysis of R(D), R(D*)

*Wednesday 17 May 2017 18:05 (10 minutes)*

**Presenter:** ROBINSON, Dean (University of Cincinnati)

**Session Classification:** R(D), R(D*), B->D \tau \nu

Contribution ID: **7** Type: **not specified**

# Kinematic distributions of B -> D \tau \nu

*Wednesday 17 May 2017 17:45 (15 minutes)*

**Presenter:** WESTHOFF, Susanne (Heidelberg University)

**Session Classification:** R(D), R(D*), B->D \tau \nu

Contribution ID: **8** Type: **not specified**

# Experimental status of R_K* and siblings

*Thursday 18 May 2017 09:30 (20 minutes)*

**Presenter:** SCHUNE, Marie-Helene (Universite de Paris-Sud 11 (FR))

**Session Classification:** R_K(*)

Contribution ID: **9** Type: **not specified**

# R_K: Quo vadis?

*Thursday 18 May 2017 10:00 (15 minutes)*

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

**Session Classification:** R_K(*)

Contribution ID: **10** Type: **not specified**

# Anatomy of the B->K* mumu decay in the SM and beyond

*Thursday 18 May 2017 10:25 (20 minutes)*

**Presenter:** JAEGER, Sebastian (University of Sussex (GB))

**Session Classification:** R_K(*)

Contribution ID: **11** Type: **not specified**

# The role of EM corrections

*Thursday 18 May 2017 10:55 (15 minutes)*

**Presenter:** BORDONE, Marzia (University of Zurich)

**Session Classification:** R_K(*)

Contribution ID: **12** Type: **not specified**

# Angular analysis

*Thursday 18 May 2017 13:25 (20 minutes)*

**Presenter:** PETRIDIS, Konstantinos (University of Bristol (GB))

**Session Classification:** R_K(*)

Contribution ID: **13** Type: **not specified**

# Introduction to Global Fits and progress on the charm contribution

*Thursday 18 May 2017 13:55 (20 minutes)*

**Presenter:** VIRTO, Javier (Universitat Siegen)

**Session Classification:** R_K(*)

Contribution ID: **14** Type: **not specified**

# Knowns and Unknowns in Lepton Flavour Universality violation fits

*Thursday 18 May 2017 14:35 (10 minutes)*

**Presenter:** VALLI, Mauro (INFN Rome)

**Session Classification:** R_K(*)

Contribution ID: **15** Type: **not specified**

# Overview of model building

*Thursday 18 May 2017 15:40 (20 minutes)*

**Presenter:** STRAUB, David (Excellence Cluster Universe, Munich)

**Session Classification:** R_K(*)

Contribution ID: **16** Type: **not specified**

# Models with tree level Z'

*Thursday 18 May 2017 16:10 (15 minutes)*

**Presenter:** FUENTES-MARTIN, Javier (IFIC, Universitat de València-CSIC)

**Session Classification:** R_K(*)

Contribution ID: **17** Type: **not specified**

# Models with tree level leptoquarks

*Thursday 18 May 2017 16:30 (15 minutes)*

**Presenter:** NISANDZIC, Ivan (Technische Universitat Dortmund)

**Session Classification:** R_K(*)

Contribution ID: **18** Type: **not specified**

# Composite leptoquarks

*Thursday 18 May 2017 16:50 (15 minutes)*

**Presenter:** GRIPAIOS, Ben (University of Cambridge (GB))

**Session Classification:** R_K(*)

Contribution ID: **19** Type: **not specified**

# Loop level models

*Thursday 18 May 2017 17:10 (15 minutes)*

**Presenter:** SOREQ, Yotam (Massachusetts Institute of Technology)

**Session Classification:** R_K(*)

Contribution ID: **20** Type: **not specified**

# RS and composites

*Friday 19 May 2017 09:30 (20 minutes)*

**Presenter:** PANICO, Giuliano (Universitat Autònoma de Barcelona (ES))

**Session Classification:** R_K(*)

Contribution ID: **21** Type: **not specified**

# Further thoughts on RS and composites

*Friday 19 May 2017 09:55 (10 minutes)*

**Presenter:** QUIROS CARCELEN, Mariano (ICREA - Institucio catalana de recerca estudis avancats (ES))

**Session Classification:** R_K(*)

Contribution ID: **22** Type: **not specified**

# Flavor models

*Friday 19 May 2017 11:00 (20 minutes)*

**Presenter:** ISIDORI, Gino (Universitaet Zuerich (CH))

**Session Classification:** R_K(*)

Contribution ID: **23** Type: **not specified**

# Light NP

*Friday 19 May 2017 10:10 (15 minutes)*

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

**Session Classification:** R_K(*)

Contribution ID: **24** Type: **not specified**

# The 'one leptoquark' scenario and radiative neutrino mass

*Friday 19 May 2017 12:10 (15 minutes)*

**Presenter:** GARGALIONIS, John (The University of Melbourne)

**Session Classification:** R_K(*)

Contribution ID: **25** Type: **not specified**

# Theory prospects

*Friday 19 May 2017 13:30 (20 minutes)*

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

**Session Classification:** R_K(*)

Contribution ID: **26** Type: **not specified**

# LHCb prospects

*Friday 19 May 2017 14:00 (20 minutes)*

**Presenter:** EGEDE, Ulrik (Imperial College (GB))

**Session Classification:** R_K(*)

Contribution ID: **27** Type: **not specified**

# Belle 2 prospects

*Friday 19 May 2017 14:30 (20 minutes)*

**Presenter:** ZUPANC, Anze (Jozef Stefan Institute)

**Session Classification:** R_K(*)

Contribution ID: **28** Type: **not specified**

# New physics EFT analysis

*Wednesday 17 May 2017 17:15 (20 minutes)*

**Presenter:** GHOSH, Diptimoy (Weizmann Institute)

**Session Classification:** R(D), R(D*), B->D \tau \nu

Contribution ID: **29** Type: **not specified**

# Standard Model predictions

*Wednesday 17 May 2017 18:20 (10 minutes)*

**Presenter:** SCHACHT, Stefan (INFN, Sezione di Torino and Universita di Torino)

**Session Classification:** R(D), R(D*), B->D \tau \nu

Contribution ID: **30** Type: **not specified**

# Possible connection to RD(*)

*Friday 19 May 2017 11:30 (15 minutes)*

**Presenter:** CRIVELLIN, Andreas

**Session Classification:** R_K(*)

Contribution ID: **31** Type: **not specified**

# Present Status of b -> s l+ l- Anomalies

*Thursday 18 May 2017 14:20 (10 minutes)*

**Presenter:** MAHMOUDI, Nazila (CERN and Lyon University (FR))

**Session Classification:** R_K(*)

Contribution ID: **32** Type: **not specified**

# What do we learn from fits

*Thursday 18 May 2017 14:50 (10 minutes)*

**Presenter:** URBANO, Alfredo Leonardo (CERN)

**Session Classification:** R_K(*)

Contribution ID: **33** Type: **not specified**

# On the importance of Electroweak Corrections for B-anomalies

*Friday 19 May 2017 11:50 (15 minutes)*

**Presenter:** PARADISI, Paride (University of Padova)

**Session Classification:** R_K(*)