

Beyond the Flavour Anomalies IV

Report of Contributions

Contribution ID: 1

Type: **not specified**

Status of global fits to the data

Wednesday 19 April 2023 09:30 (30 minutes)

Presenters: CAPDEVILLA, Bernat; FEDELE, Marco; MAHMOUDI, Nazila (Lyon University)

Session Classification: State of field post Moriond 2023

Contribution ID: 2

Type: **not specified**

Theoretical perspective

Wednesday 19 April 2023 10:00 (30 minutes)

Presenter: ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

Session Classification: State of field post Moriond 2023

Contribution ID: 3

Type: **not specified**

High-pT probes of b->c tau nu transitions

Wednesday 19 April 2023 11:30 (30 minutes)

Presenter: WILSCH, Felix (University of Zurich)

Session Classification: Status of new physics model-building

Contribution ID: 4

Type: **not specified**

Simplified models

Presenters: BECIREVIC, Damir (IJCLab, CNRS and Université Paris-Saclay); BECIREVIC, Damir; MARZOCCA, David

Session Classification: Status of new physics model-building

Contribution ID: 5

Type: **not specified**

TBD

Session Classification: Status of new physics model-building

Contribution ID: 6

Type: **not specified**

TBD

Session Classification: Status of new physics model-building

Contribution ID: 7

Type: **not specified**

B->K FFs on the lattice

Wednesday 19 April 2023 15:00 (30 minutes)

Presenter: PARROTT, William

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 8

Type: **not specified**

Unbinned approach for $B \rightarrow \pi \mu \mu$

Thursday 20 April 2023 09:30 (30 minutes)

Presenters: MARSHALL, Alex; VAN DYK, Danny

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 9

Type: **not specified**

B->K*mumu and Lb->L*mumu binned measurements

Wednesday 19 April 2023 12:30 (30 minutes)

Presenters: MARIN BENITO, Carla; MARIN BENITO, Carla; SMITH, Mark

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: **10**

Type: **not specified**

Unbinned measurements of $B \rightarrow K^* \mu^+ \mu^-$

Wednesday 19 April 2023 12:00 (30 minutes)

Presenters: MAURI, Andrea (Imperial College); BIRCH, Matt (Imperial College); WANG, Rui (University of Bristol)

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 24

Type: **not specified**

Developments on non-local FF and impacts on the fits

Presenter: REBOUD, Meril

Session Classification: Developments in Nonleptonic B Decays

Contribution ID: 25

Type: **not specified**

Progress on the lattice

Presenter: TSANG, Tobi

Session Classification: Developments in Nonleptonic B Decays

Contribution ID: 26

Type: **not specified**

Implications of $B \rightarrow D(K\pi)$

Presenters: FERLEWICZ, Daniel; GUBERNARI, Nico

Session Classification: Developments in Nonleptonic B Decays

Contribution ID: 27

Type: **not specified**

Status of new physics model-building for the B anomalies

Wednesday 19 April 2023 11:00 (30 minutes)

Presenter: STEFANEK, Ben

Session Classification: Status of new physics model-building

Contribution ID: 28

Type: **not specified**

LFU Experimental Update & Prospects

Wednesday 19 April 2023 14:30 (30 minutes)

Presenters: COUTINHO, Rafael; QUAGLIANI, Renato

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 29

Type: **not specified**

$b \rightarrow c \tau \nu$

Thursday 20 April 2023 11:00 (30 minutes)

Presenters: HARRISON, Judd; JUNG, Martin

Session Classification: Developments in Semileptonic Decays

Contribution ID: **30**

Type: **not specified**

Experimental results on $b \rightarrow c l \nu$ decays

Thursday 20 April 2023 11:30 (30 minutes)

Presenter: OWEN, Patrick

Session Classification: Developments in Semileptonic Decays

Contribution ID: 31

Type: **not specified**

b->stautau

Thursday 20 April 2023 10:00 (30 minutes)

Presenter: ALVAREZ CARTELLE, Paula

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 32

Type: **not specified**

Lb->L(*)ll

Presenter: MARIN BENITO, Carla

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 33

Type: **not specified**

Cabibbo Anomaly

Thursday 20 April 2023 12:00 (30 minutes)

Presenters: KIRK, Matthew; Dr MESCIA

Session Classification: Developments in Semileptonic Decays

Contribution ID: 34

Type: **not specified**

Model building for non-leptonic anomalies

Thursday 20 April 2023 15:30 (30 minutes)

Presenter: LIZANA, Javier

Session Classification: Developments in Nonleptonic B Decays

Contribution ID: 35

Type: **not specified**

Pushing the QCD frontier in $b \rightarrow sll$

Wednesday 19 April 2023 16:30 (30 minutes)

Presenters: VIRTO, Javier; REBOUD, Meril

Session Classification: Developments in Rare Semileptonic B Decays

Beyond the Flavo ... / Report of Contributions

tbd

Contribution ID: **36**

Type: **not specified**

tbd

Presenter: NIERSTE, Uli

Session Classification: TBD

Contribution ID: 37

Type: **not specified**

TBD

Presenter: BAUER, Martin

Session Classification: TBD

Contribution ID: **38**

Type: **not specified**

tbd

Presenter: GAMBINO, Paolo

Session Classification: Developments in Semileptonic Decays

Contribution ID: **39**

Type: **not specified**

Closing talk

Presenter: ISIDORI, Gino

Session Classification: Developments in Semileptonic Decays

Contribution ID: 40

Type: **not specified**

S-wave

Presenter: MASJUAN, Pere

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 41

Type: **not specified**

Discussion (Nicola Serra)

Session Classification: Developments in Rare Semileptonic B Decays

Contribution ID: 42

Type: **not specified**

A new puzzle in nonleptonic B decays

Thursday 20 April 2023 14:30 (30 minutes)

Presenters: BISWAS, Aritra; TETLATMATZI, Gilberto

Session Classification: Developments in Nonleptonic B Decays

Contribution ID: 43

Type: **not specified**

Experimental perspective on $B(s) \rightarrow K(^*)0 K(^*)0bar$ decays

Thursday 20 April 2023 15:00 (30 minutes)

Presenter: GARCIA PARDINAS, Julian

Session Classification: Developments in Nonleptonic B Decays

Contribution ID: 44

Type: **not specified**

Non-leptonic $B_q \rightarrow D_q(K, \pi)$

Thursday 20 April 2023 16:30 (30 minutes)

Presenter: LENZ, Alexander

Session Classification: More non-leptonic

Contribution ID: 45

Type: **not specified**

CP violation in $D \rightarrow \pi\pi$: another anomaly?

Presenter: NIERSTE, Ulrich

Session Classification: More non-leptonic

Contribution ID: 46

Type: **not specified**

CP violation in $D \rightarrow \pi\pi$, another anomaly?

Friday 21 April 2023 10:00 (30 minutes)

Presenter: NIERSTE, Ulrich

Contribution ID: 47

Type: **not specified**

Update on the Vcb puzzle

Friday 21 April 2023 09:30 (30 minutes)

Presenter: GAMBINO, Paolo

Contribution ID: 48

Type: **not specified**

ATLAS and CMS results on direct signatures of flavour anomalies

Friday 21 April 2023 10:30 (30 minutes)

Presenter: JUSTE, Aurelio

Contribution ID: 49

Type: **not specified**

Closing talk

Friday 21 April 2023 12:00 (45 minutes)

Presenter: DESCOTES-GENON, Sébastien

Contribution ID: **50**

Type: **not specified**

Belle talk

Contribution ID: 51

Type: **not specified**

Constraints for hadronic matrix elements in rare B decays

Wednesday 19 April 2023 16:00 (30 minutes)

Presenter: GUBERNARI, Nico

Session Classification: Developments in Rare Semileptonic B Decays