
Implications of LHCb measurements and future prospects

10th edition

28-30 October 2020

Joint LHCb-Theory workshop

Welcome

Purpose of the meeting is to

- consider the **latest results** from LHCb
- discuss **possible interpretations** and
- **identify important channels** and observables to test leading theoretical frameworks in the near and longer term **future** of the LHCb data taking

Organization

This year the organising committee includes :

- Alexander Lenz, Chris Parkes, Danny van Dyk, Guy Wilkinson, Jure Zupan, Marco Pappagallo, Matthew John Charles, Monica Pepe-Altarelli, Niels Tuning, Svetlana Fajfer, Yasmine Amhis

Scientific programme shaped by the Stream conveners :

- Mixing and CP violation in charm and beauty
 - Donal Hill, Laurent Dufour (LHCb)
 - Stefan Schacht, Tepei Kitahara (Theory)
- Rare, radiative, and electroweak-penguin decays
 - Eluned Smith, Renato Quagliani (LHCb)
 - Meril Reboud, Olcyr Sumensari (Theory)
- Semileptonic decays
 - Suzanne Klaver, Julian Garcia Pardinias (LHCb)
 - Ivan Nisandzic, Ana Penuelas Martinez (Theory)
- QCD spectroscopy and exotic hadrons
 - Misha Mikhasenko, Giovanni Cavallero (LHCb)
 - Luka Leskovec, Deborah Roenchen (Theory)
- Exotica and Heavy Ion physics
 - Jiayin Sun, Fede Leo Redi (LHCb),
 - Yotam Soreq, Iftah Galon (Theory)

Program

Relatively light program: 27 presentations (1/3 less than usual)

- **Start:** 10:00
- **Lunch break:**
- **End:** ~16:15

	Wed 28 Oct	Thu 29 Oct	Fri 30 Oct
Morning	Opening IFT	Spectroscopy	Rare Decays
Discussion	12:00 – 12:30	12:00 – 12:30	12:30 – 13:00
Lunch	12:30 – 13:30	12:30 – 13:30	13:00 – 14:00
Afternoon	CPV + mixing	Semileptonics	QEE Closing

Program

- LHCb / Theory \sim 50/50
- Large effort by many analysts and reviewers to obtain new results this week !

	Wed 28 Oct	Thu 29 Oct	Fri 30 Oct
Morning	Opening IFT	Spectroscopy	Rare Decays
Discussion	12:00 – 12:30	12:00 – 12:30	12:30 – 13:00
Lunch	12:30 – 13:30	12:30 – 13:30	13:00 – 14:00
Afternoon	CPV + mixing	Semileptonics	QEE Closing

Zoom rooms and discussion

- Two zoom rooms in parallel:
 - Workshop / presentations: [92523264110](https://zoom.us/j/92523264110)
 - Discussions / coffee: [91032529784](https://zoom.us/j/91032529784)
 - Same password: xxxx (B⁰_s mass)
- Both rooms are open throughout workshop
- Discussion / coffee zoom room:
 - For discussions after/between the talks
 - Can also be used during talks, for informal chats
 - We encourage all of you to be as informal as possible in the discussions that will take place 😊
- Presentation: please switch camera on for a personal 'feel'
- Questions: please use "raise-hand" feature in zoom

Recordings

- For our colleagues in other time zones,
- we will try to record the presentations

Many thanks for your contribution!

