

Implications of LHCb measurements and future prospects

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Wednesday, October 16, 2019 8:30 AM (5 minutes)

Presenter: CHARLES, Matthew John (LPNHE Paris, CNRS/IN2P3 UPMC and UPD)

Session Classification: General

Contribution ID: 2

Type: **not specified**

LHCb introduction (25+5)

Wednesday, October 16, 2019 8:35 AM (30 minutes)

Presenter: MALDE, Sneha Sirirshkumar (University of Oxford (GB))

Session Classification: General

Contribution ID: 3

Type: **not specified**

Lattice results on exotics with hidden charm and bottom (20+5)

Wednesday, October 16, 2019 9:05 AM (25 minutes)

Presenter: PRELOVSEK, Sasa

Session Classification: QCD spectroscopy and exotic hadrons

Contribution ID: 4

Type: **not specified**

Pentaquarks (20+5)

Wednesday, October 16, 2019 9:30 AM (25 minutes)

Presenter: OSET, Eulogio

Session Classification: QCD spectroscopy and exotic hadrons

Contribution ID: 5

Type: **not specified**

Pentaquark perspective from JLab experiments (20+5)

Wednesday, October 16, 2019 9:55 AM (25 minutes)

Presenter: FANELLI, Cristiano (Universita e INFN, Roma I (IT))

Session Classification: QCD spectroscopy and exotic hadrons

Contribution ID: 6

Type: **not specified**

LHCb results on exotic hadrons (20+5)

Wednesday, October 16, 2019 10:50 AM (25 minutes)

(remote talk)

Presenter: Mr XU, Zehua (Tsinghua University (CN))

Session Classification: QCD spectroscopy and exotic hadrons

Contribution ID: 7

Type: **not specified**

B_d^0 and B_s^0 mixing parameters from Lattice QCD (20+5)

Wednesday, October 16, 2019 11:15 AM (25 minutes)

Presenter: TSANG, Tobias

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: 8

Type: **not specified**

B_s^0/B_d^0 lifetime ratio (20+5)

Wednesday, October 16, 2019 11:40 AM (25 minutes)

Presenter: PISCOPO, Maria Laura (IPPP)

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: 9

Type: **not specified**

$B_s^0 \rightarrow J/\psi K^+ K^-$ and other time-dependent analyses at LHCb (15+5)

Wednesday, October 16, 2019 12:05 PM (20 minutes)

Presenter: GOVORKOVA, Katya (Nikhef National institute for subatomic physics (NL))

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: **10**

Type: **not specified**

Rare decays at LHCb (20+5)

Wednesday, October 16, 2019 2:00 PM (25 minutes)

Presenter: LISOVSKYI, Vitalii (Centre National de la Recherche Scientifique (FR))

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 11

Type: **not specified**

Global fits to $b \rightarrow s\ell^+\ell^-$ data (20+5)

Wednesday, October 16, 2019 2:25 PM (25 minutes)

Presenter: GUADAGNOLI, Diego

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 12

Type: **not specified**

QED corrections to $B_q \rightarrow \mu^+ \mu^-$ (20+5)

Wednesday, October 16, 2019 2:50 PM (25 minutes)

Presenter: Dr SZAFRON, Robert

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 13

Type: **not specified**

Form Factors and High-Mass Moments in $B \rightarrow K\pi\ell\ell$ (20+5)

Wednesday, October 16, 2019 3:15 PM (25 minutes)

Presenter: VIRTO, Javier (Universitat de Barcelona)

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 14

Type: **not specified**

New Physics interpretations (20+5)

Wednesday, October 16, 2019 4:10 PM (25 minutes)

Presenter: Dr SUMENSARI, Olcyr (INFN Padova)

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 15

Type: **not specified**

LFU at low and high pt (20+5)

Wednesday, October 16, 2019 4:35 PM (25 minutes)

Presenter: SONI, AMARJIT (BNL)

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 16

Type: **not specified**

Constraints on $b \rightarrow s\tau\tau$ from $B \rightarrow K^*\mu\mu$ spectrum (20+5)

Wednesday, October 16, 2019 5:00 PM (25 minutes)

Presenter: Dr KÖNIG, Matthias

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 17

Type: **not specified**

Semileptonic decays at LHCb (20+5)

Thursday, October 17, 2019 8:30 AM (25 minutes)

Presenter: GARCIA PARDINAS, Julian (Universitaet Zuerich (CH))

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 19

Type: **not specified**

Global fits to $b \rightarrow c\tau\nu$ data (15+5)

Thursday, October 17, 2019 8:55 AM (20 minutes)

Presenter: PEÑUELAS, Ana (IFIC)

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 20

Type: **not specified**

Exclusive Vcb and B->D* form factors (20+5)

Thursday, October 17, 2019 9:15 AM (25 minutes)

Presenter: JUNG, Martin (Università di Torino & INFN)

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 21

Type: **not specified**

Semileptonic B_c^+ decays (20+5)

Thursday, October 17, 2019 9:40 AM (25 minutes)

Presenter: MELIC, Blazenska

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 22

Type: **not specified**

Form factors from lattice QCD (20+5)

Thursday, October 17, 2019 10:05 AM (25 minutes)

Presenter: WITZEL, Oliver (University of Edinburgh)

Session Classification: Semileptonic decays, rare decays, and tests of lepton flavour universality

Contribution ID: 23

Type: **not specified**

Recent LHCb results from heavy ion collisions (20+5)

Thursday, October 17, 2019 11:25 AM (25 minutes)

Presenter: SUN, Jiayin (Tsinghua University)

Session Classification: Electroweak physics, heavy flavour production, implications for (n)PDFs, heavy ions, and exotica searches

Contribution ID: 24

Type: **not specified**

Physics opportunities with SMOG2 (20+5)

Thursday, October 17, 2019 11:50 AM (25 minutes)

Presenters: PAPPALARDO, Luciano Libero (Universita e INFN, Ferrara (IT)); DI NEZZA, Pasquale (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: Electroweak physics, heavy flavour production, implications for (n)PDFs, heavy ions, and exotica searches

Contribution ID: 25

Type: **not specified**

Probing the nucleon and nuclei at small x (20+5)

Thursday, October 17, 2019 12:15 PM (25 minutes)

Presenter: Dr MÄNTYSAARI, Heikki (University of Jyväskylä (FI))

Session Classification: Electroweak physics, heavy flavour production, implications for (n)PDFs, heavy ions, and exotica searches

Contribution ID: 26

Type: **not specified**

Conventional hadron states at LHCb (20+5)

Thursday, October 17, 2019 2:00 PM (25 minutes)

Presenter: POLUEKTOV, Anton (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France)

Session Classification: QCD spectroscopy and exotic hadrons

Contribution ID: 27

Type: **not specified**

Open- and hidden-charm meson spectroscopy (20+5)

Thursday, October 17, 2019 2:25 PM (25 minutes)

Presenter: NIEVES, Juan M (IFIC (CSIC-UV))

Session Classification: QCD spectroscopy and exotic hadrons

Contribution ID: 28

Type: **not specified**

Amplitude analysis tools (20+5)

Thursday, October 17, 2019 2:50 PM (25 minutes)

Presenter: MIKHASENKO, Mikhail (CERN)

Session Classification: QCD spectroscopy and exotic hadrons

Contribution ID: 29

Type: **not specified**

Measurements of exclusive processes with LHCb (20+5)

Thursday, October 17, 2019 3:45 PM (25 minutes)

Presenter: BURSCHE, Albert (Universita e INFN, Cagliari (IT))

Session Classification: Electroweak physics, heavy flavour production, implications for (n)PDFs, heavy ions, and exotica searches

Contribution ID: **30**

Type: **not specified**

Constraining PDFs through exclusive processes at LHCb (20+5)

Thursday, October 17, 2019 4:10 PM (25 minutes)

Presenter: FLETT, Chris (The University of Liverpool)

Session Classification: Electroweak physics, heavy flavour production, implications for (n)PDFs, heavy ions, and exotica searches

Contribution ID: **31**

Type: **not specified**

New Axion Searches at Flavor Factories (20+5)

Thursday, October 17, 2019 11:00 AM (25 minutes)

(remote talk)

Presenter: REDIGOLO, Diego (Weizmann Inst. & Tel Aviv University)

Session Classification: Electroweak physics, heavy flavour production, implications for (n)PDFs, heavy ions, and exotica searches

Contribution ID: 32

Type: **not specified**

ΔA_{CP} as BSM (20+5)

Friday, October 18, 2019 8:30 AM (25 minutes)

Presenter: SCHOLTZ, Jakub (Harvard)

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: 33

Type: **not specified**

Mixing and CPV in charm at LHCb (25+5)

Friday, October 18, 2019 8:55 AM (30 minutes)

Presenter: PAJERO, Tommaso (Scuola Normale Superiore & INFN, Pisa (IT))

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: 34

Type: **not specified**

CPV in many-body final states in charm hadrons with a few comments about CPV in strange hadrons (20+5)

Friday, October 18, 2019 9:55 AM (25 minutes)

Presenter: BIGI, Ikaros (University of Notre Dame)

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: 35

Type: **not specified**

CPV in multibody final states at LHCb (25+5)

Friday, October 18, 2019 9:25 AM (30 minutes)

Presenter: HENRY, Louis (Instituto de Física Corpuscular (IFIC))

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: **36**

Type: **not specified**

Measurements of UT angle gamma (20+5)

Friday, October 18, 2019 10:50 AM (25 minutes)

Presenter: PULLEN, Hannah (University of Oxford (GB))

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: 37

Type: **not specified**

CPV in baryons at LHCb (15+5)

Friday, October 18, 2019 11:15 AM (20 minutes)

Presenter: MERLI, Andrea (Università degli Studi e INFN Milano (IT))

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: **38**

Type: **not specified**

Theory keynote

Friday, October 18, 2019 11:35 AM (1 hour)

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

Session Classification: General

Contribution ID: 39

Type: **not specified**

Closeout

Friday, October 18, 2019 12:35 PM (10 minutes)

Presenter: CHARLES, Matthew John (LPNHE Paris, CNRS/IN2P3 UPMC and UPD)

Session Classification: General

Contribution ID: 40

Type: **not specified**

Resonance enhancement of charm CPV (15+5)

Thursday, October 17, 2019 4:35 PM (20 minutes)

Presenter: SONI, AMARJIT (BNL)

Session Classification: Mixing and CP violation in Beauty and Charm

Contribution ID: 41

Type: **not specified**

Detector visit

Thursday, October 17, 2019 6:35 PM (2 hours)

Please note that places are limited for safety reasons, and that all participants must sign up in advance (see link).

For those coming: please meet just outside building 39 (main hostel reception) at 18:35. We expect to return around 20:30. For those who prefer to eat earlier in the evening, there should be time to grab a quick meal at Restaurant 1 between the end of the sessions and the departure of the bus.

Contribution ID: 42

Type: **not specified**

Pit visit info

Thursday, October 17, 2019 1:59 PM (1 minute)