

Implications of LHCb measurements and future prospects

Report of Contributions

Contribution ID: 0

Type: **not specified**

Introduction

Wednesday, October 15, 2014 2:00 PM (5 minutes)

Presenters: ROJO, Juan (INFN); BIFANI, Simone (University of Birmingham (GB)); YANG, Zhenwei (Tsinghua University (CN))

Session Classification: Forward electroweak physics, including pA

Contribution ID: 1

Type: **not specified**

EW boson production at LHCb

Wednesday, October 15, 2014 2:05 PM (10 minutes)

Presenter: FARRY, Stephen (University of Liverpool (GB))

Session Classification: Forward electroweak physics, including pA

Contribution ID: 2

Type: **not specified**

Impact of LHCb measurements on PDFs

Wednesday, October 15, 2014 2:15 PM (15 minutes)

Presenter: UBIALI, maria (University of Edinburgh)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 3

Type: **not specified**

Discussion

Wednesday, October 15, 2014 2:30 PM (15 minutes)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 4

Type: **not specified**

$t\bar{t}$ studies at LHCb

Wednesday, October 15, 2014 2:45 PM (10 minutes)

Presenter: COCO, Victor (CERN)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 5

Type: **not specified**

$t\bar{t}$ production in the forward region

Wednesday, October 15, 2014 2:55 PM (15 minutes)

Presenter: GAULD, Rhorry Graham (University of Oxford (GB))

Session Classification: Forward electroweak physics, including pA

Contribution ID: 6

Type: **not specified**

Exclusive production at LHCb

Wednesday, October 15, 2014 3:10 PM (10 minutes)

Presenter: JOHNSON, Daniel (CERN)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 7

Type: **not specified**

Review of exclusive J/ψ production

Wednesday, October 15, 2014 3:20 PM (15 minutes)

Presenter: TEUBNER, Thomas (University of Liverpool)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 8

Type: **not specified**

Discussion

Wednesday, October 15, 2014 3:35 PM (10 minutes)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 9

Type: **not specified**

Impact of LHCb measurements on MC tuning

Friday, October 17, 2014 9:00 AM (15 minutes)

Presenters: ILTEN, Philip (Department of Physics - Laboratory for Nuclear Science (LNS) - M); ILTEN, Philip (Massachusetts Inst. of Technology (US))

Session Classification: Forward electroweak physics, including pA

Contribution ID: **10**

Type: **not specified**

Discussion

Friday, October 17, 2014 9:15 AM (10 minutes)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 11

Type: **not specified**

Review of forward physics in pA and AA collisions

Friday, October 17, 2014 9:25 AM (30 minutes)

Presenter: ARMESTO PEREZ, Nestor (Universidade de Santiago de Compostela (ES))

Session Classification: Forward electroweak physics, including pA

Contribution ID: 12

Type: **not specified**

LHCb results in pA

Friday, October 17, 2014 9:55 AM (15 minutes)

Presenter: SCHMELLING, Michael (Max-Planck-Gesellschaft (DE))

Session Classification: Forward electroweak physics, including pA

Contribution ID: 13

Type: **not specified**

LHCb ideas/plans for AA

Friday, October 17, 2014 10:10 AM (10 minutes)

Presenter: ROBBE, Patrick (Laboratoire de l'Accelérateur Lineaire (FR))

Session Classification: Forward electroweak physics, including pA

Contribution ID: 14

Type: **not specified**

Discussion

Friday, October 17, 2014 10:20 AM (25 minutes)

Session Classification: Forward electroweak physics, including pA

Contribution ID: 15

Type: **not specified**

Rare kaons decays theory (20'+10')

Wednesday, October 15, 2014 9:45 AM (30 minutes)

Presenter: D'AMBROSIO, Giancarlo (Univ. + INFN)

Session Classification: New physics searches in charm, τ and kaon decays

Contribution ID: 16

Type: **not specified**

Rare kaons decays exp (15'+15')

Wednesday, October 15, 2014 10:15 AM (30 minutes)

Presenter: BETTLER, Marc Olivier (University of Cambridge (GB))

Session Classification: New physics searches in charm, τ and kaon decays

Contribution ID: 17

Type: **not specified**

New physics in D meson decays (20'+10')

Thursday, October 16, 2014 9:00 AM (30 minutes)

Presenters: F. KAMENIK, Jernej (Jozef Stefan Institute); KAMENIK, Jernej (INFN LNF)

Session Classification: New physics searches in charm, τ and kaon decays

Contribution ID: **18**

Type: **not specified**

Mixing and CPV in charm at LHCb (20'+10')

Thursday, October 16, 2014 9:30 AM (30 minutes)

Presenter: BRODZICKA, Jolanta (University of Manchester (GB))

Session Classification: New physics searches in charm, τ and kaon decays

Contribution ID: 19

Type: **not specified**

Rare charm decays at LHCb (20'+10')

Thursday, October 16, 2014 10:00 AM (30 minutes)

Presenters: CONTU, Andrea (INFN CAGLIARI (IT)); VIAUD, Benoit (Laboratoire de l'Accelérateur Lineaire (FR))

Session Classification: New physics searches in charm, τ and kaon decays

Contribution ID: 20

Type: **not specified**

LFV decays theory (20'+10')

Friday, October 17, 2014 11:15 AM (30 minutes)

Presenter: VICENTE, Avelino (Université de Liège)

Session Classification: New physics searches in charm, τ and kaon decays

Contribution ID: 21

Type: **not specified**

LFV decays exp (20'+10')

Friday, October 17, 2014 11:45 AM (30 minutes)

Presenter: KHANJI, Basem (Universita & INFN, Milano-Bicocca (IT))

Session Classification: New physics searches in charm, τ and kaon decays

Contribution ID: 22

Type: **not specified**

Flavour physics vs. Higgs physics - Cancelled

Thursday, October 16, 2014 2:00 PM (25 minutes)

Presenter: SKIBA, Witold (Yale University)

Session Classification: Implications

Contribution ID: 23

Type: **not specified**

Interplay of flavour and high- p_T physics in SUSY models

Thursday, October 16, 2014 2:35 PM (25 minutes)

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

Session Classification: Implications

Contribution ID: 24

Type: **not specified**

Interplay of flavour and high- p_T physics in composite Higgs models

Thursday, October 16, 2014 3:10 PM (25 minutes)

Presenter: REDI, Michele (Universita e INFN (IT))

Session Classification: Implications

Contribution ID: 25

Type: **not specified**

Experimental results on radiative B decays

Wednesday, October 15, 2014 4:15 PM (15 minutes)

Presenter: BORSATO, Martino (Laboratoire de l'Accelérateur Lineaire (FR))

Session Classification: Rare B decays

Contribution ID: 26

Type: **not specified**

Theory perspectives of radiative B decays

Wednesday, October 15, 2014 4:30 PM (15 minutes)

Presenter: KOU, Emi (LAL/IN2P3)

Session Classification: Rare B decays

Contribution ID: 27

Type: **not specified**

Low q^2 $b \rightarrow sll$ and interplay with radiative

Wednesday, October 15, 2014 4:45 PM (15 minutes)

Presenter: MARTIN CAMALICH, Jorge

Session Classification: Rare B decays

Contribution ID: **28**

Type: **not specified**

Discussion

Wednesday, October 15, 2014 5:00 PM (7 minutes)

Session Classification: Rare B decays

Contribution ID: 29

Type: **not specified**

$B_{(s)}^0 \rightarrow \mu\mu$ **experimental results and prospects**

Wednesday, October 15, 2014 5:07 PM (10 minutes)

Presenter: TOLK, Siim (NIKHEF (NL))

Session Classification: Rare B decays

Contribution ID: **30**

Type: **not specified**

$B_{(s)}^0 \rightarrow \mu\mu$ theory perspectives

Wednesday, October 15, 2014 5:17 PM (10 minutes)

Presenter: Dr GORBHAN, Martin (University of Liverpool)

Session Classification: Rare B decays

Contribution ID: **31**

Type: **not specified**

Discussion

Wednesday, October 15, 2014 5:27 PM (5 minutes)

Session Classification: Rare B decays

Contribution ID: 32

Type: **not specified**

New directions in $b \rightarrow sl$

Wednesday, October 15, 2014 5:32 PM (20 minutes)

Presenter: Prof. POSPELOV, Maxim (Perimeter Institute)

Session Classification: Rare B decays

Contribution ID: 33

Type: **not specified**

Discussion

Wednesday, October 15, 2014 5:52 PM (5 minutes)

Session Classification: Rare B decays

Contribution ID: 34

Type: **not specified**

Results and prospects in $b \rightarrow sll$ penguins

Thursday, October 16, 2014 11:30 AM (15 minutes)

Presenter: OWEN, Patrick Haworth (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Rare B decays

Contribution ID: 35

Type: **not specified**

Charm resonances in $b \rightarrow sll$ overview

Thursday, October 16, 2014 11:00 AM (12 minutes)

Presenter: KHODJAMIRIAN, Alexander (University of Siegen)

Session Classification: Rare B decays

Contribution ID: 36

Type: **not specified**

Implications of the broad charm resonance measurement in $B \rightarrow K\ell\ell$

Thursday, October 16, 2014 11:15 AM (12 minutes)

Presenter: ZWICKY, Roman (edinburgh university)

Session Classification: Rare B decays

Contribution ID: 37

Type: **not specified**

Discussion

Thursday, October 16, 2014 11:45 AM (7 minutes)

Session Classification: Rare B decays

Contribution ID: **38**

Type: **not specified**

Model independent implications from $b \rightarrow sll$ measurements including r_K

Thursday, October 16, 2014 11:55 AM (15 minutes)

Presenter: RENNER, Sophie (CERN)

Session Classification: Rare B decays

Contribution ID: **39**

Type: **not specified**

Discussion

Thursday, October 16, 2014 12:30 PM (5 minutes)

Session Classification: Rare B decays

Contribution ID: 40

Type: **not specified**

Implications of $b \rightarrow sll$ measurements on model building

Thursday, October 16, 2014 12:10 PM (15 minutes)

Presenter: Dr STRAUB, David (Technische Universität München)

Session Classification: Rare B decays

Contribution ID: 41

Type: **not specified**

Addressing hadronic uncertainties in extractions of ϕ_s

Wednesday, October 15, 2014 11:40 AM (25 minutes)

Presenter: KNEGJENS, Rob (Technical University of Munich)

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 42

Type: **not specified**

Experimental status of ϕ_s

Wednesday, October 15, 2014 11:15 AM (25 minutes)

Presenter: MARTINEZ SANTOS, Diego (NIKHEF (NL))

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 43

Type: **not specified**

Standard Model Predictions and New Physics Sensitivities in $B \rightarrow DD$ decays

Wednesday, October 15, 2014 12:05 PM (25 minutes)

Presenter: JUNG, Martin (TU Dortmund)

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 44

Type: **not specified**

Future opportunities for Run II

Wednesday, October 15, 2014 12:30 PM (30 minutes)

Presenter: GERSHON, Timothy (University of Warwick (GB))

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 45

Type: **not specified**

Gamma measurements from tree decays

Thursday, October 16, 2014 4:00 PM (24 minutes)

Presenter: THOMAS, Christopher (University of Oxford)

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 46

Type: **not specified**

Gamma measurements from loop decays

Thursday, October 16, 2014 4:24 PM (19 minutes)

Presenter: VAGNONI, Vincenzo (Universita e INFN (IT))

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 47

Type: **not specified**

CPV in 3-body charmless decays

Thursday, October 16, 2014 5:02 PM (24 minutes)

Presenter: CORREA DOS REIS, Alberto (CBPF - Centro Brasileiro de Pesquisas Fisicas (CBPF))

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 49

Type: **not specified**

CPV in semileptonic decays

Thursday, October 16, 2014 5:26 PM (19 minutes)

Presenter: VESTERINEN, Mika Anton (Ruprecht-Karls-Universitaet Heidelberg (DE))

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)

Contribution ID: 50

Type: **not specified**

Outlook

Friday, October 17, 2014 12:15 PM (45 minutes)

Presenter: HAISCH, Ulrich Andreas (University of Oxford (GB))

Session Classification: Closing

Contribution ID: 51

Type: **not specified**

Gamma : theoretical viewpoint

Thursday, October 16, 2014 4:43 PM (19 minutes)

Presenter: BROD, Joachim (University of Cincinnati)

Session Classification: CPV in B decays (with γ , ϕ_s and charmless)