

Implications of LHCb measurements and future prospects

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Monday 16 April 2012 09:00 (15 minutes)

Contribution ID: 1

Type: **not specified**

Outlook

Wednesday 18 April 2012 12:30 (30 minutes)

Contribution ID: 2

Type: **not specified**

Rare electroweak penguin decays at LHCb

Monday 16 April 2012 16:15 (20 minutes)

Presenter: DE CIAN, Michel (Physik-Institut)

Session Classification: Rare decays

Contribution ID: 3

Type: **not specified**

Overview of constraints on new physics in rare B decays

Monday 16 April 2012 16:40 (30 minutes)

Presenter: Dr STRAUB, David (Scuola Normale Superiore)

Session Classification: Rare decays

Contribution ID: 4

Type: **not specified**

Theory introduction to $B \rightarrow K(^*) \mu \mu$ Isospin asymmetries

Monday 16 April 2012 17:15 (20 minutes)

Presenter: BHARUCHA, Aoife (H)

Session Classification: Rare decays

Contribution ID: 5

Type: **not specified**

Experimental results for $B \rightarrow K(^*) \mu^+ m^-$ Isospin asymmetries

Monday 16 April 2012 17:35 (20 minutes)

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

Session Classification: Rare decays

Contribution ID: 6

Type: **not specified**

Discussion

Monday 16 April 2012 16:35 (5 minutes)

Session Classification: Rare decays

Contribution ID: 7

Type: **not specified**

Discussion

Monday 16 April 2012 17:10 (5 minutes)

Session Classification: Rare decays

Contribution ID: 8

Type: **not specified**

Discussion

Monday 16 April 2012 17:55 (5 minutes)

Session Classification: Rare decays

Contribution ID: 9

Type: **not specified**

Very rare decay searches at LHCb

Monday 16 April 2012 11:15 (20 minutes)

Presenter: CID VIDAL, Xabier (Departamento de Fisica de Particulas)

Session Classification: Rare decays

Contribution ID: **10**

Type: **not specified**

Discussion

Monday 16 April 2012 11:35 (5 minutes)

Session Classification: Rare decays

Contribution ID: **11**

Type: **not specified**

$B_s \rightarrow \mu\mu\gamma$

Monday 16 April 2012 11:40 (25 minutes)

Presenter: PETROV, Alexey (Wayne State University)

Session Classification: Rare decays

Contribution ID: **12**

Type: **not specified**

Discussion

Monday 16 April 2012 12:05 (5 minutes)

Session Classification: Rare decays

Contribution ID: 13

Type: **not specified**

Direct and indirect searches for New Physics

Monday 16 April 2012 12:30 (30 minutes)

Presenter: MAHMOUDI, Nazila (CERN)

Session Classification: Rare decays

Contribution ID: **14**

Type: **not specified**

LFV decays

Monday 16 April 2012 12:10 (20 minutes)

Presenter: DAVIDSON, Sacha (Universite Claude Bernard-Lyon I (FR))

Session Classification: Rare decays

Contribution ID: 15

Type: **not specified**

Radiative decays at LHCb

Tuesday 17 April 2012 11:35 (20 minutes)

Presenter: CALVO GOMEZ, Miriam (Departamento Estructura i Constituents de la Matèria)

Session Classification: Rare decays

Contribution ID: **16**

Type: **not specified**

Discussion

Tuesday 17 April 2012 11:55 (5 minutes)

Session Classification: Rare decays

Contribution ID: 17

Type: **not specified**

Rare decays of b-baryons

Tuesday 17 April 2012 12:00 (25 minutes)

Presenter: WANG, Yuming (Siegen University)

Session Classification: Rare decays

Contribution ID: **18**

Type: **not specified**

Discussion

Tuesday 17 April 2012 12:25 (5 minutes)

Session Classification: Rare decays

Contribution ID: **19**

Type: **not specified**

Rare B and D decays and supersymmetry

Tuesday 17 April 2012 12:30 (30 minutes)

Presenter: ISIDORI, Gino (Laboratori Nazionali di Frascati)

Session Classification: Rare decays

Contribution ID: **20**

Type: **not specified**

Discussion

Tuesday 17 April 2012 11:30 (5 minutes)

Session Classification: Rare decays

Contribution ID: 21

Type: **not specified**

LHCb measurements of Φ_s , semileptonic asymmetries and lifetimes

Tuesday 17 April 2012 16:15 (15 minutes)

Presenter: MUHEIM, Franz (College of Science and Engineering)

Session Classification: BCPV

Contribution ID: 22

Type: **not specified**

lifetime and lifetime differences in the Bs system

Tuesday 17 April 2012 16:40 (15 minutes)

Presenter: LENZ, Alexander (Deutsche Forschungsgemeinschaft (DE))

Session Classification: BCPV

Contribution ID: 23

Type: **not specified**

New physics in Bs mixing and decays

Monday 16 April 2012 10:05 (15 minutes)

Presenter: BOBETH, Christoph (Technical University Munich)

Session Classification: BCPV

Contribution ID: 24

Type: **not specified**

Penguin pollution in Bs -> Jpsi phi and Bd -> Jpsi KS

Tuesday 17 April 2012 17:05 (15 minutes)

Presenter: JUNG, Martin (IFIC)

Session Classification: BCPV

Contribution ID: 25

Type: **not specified**

LHCb results on hadronic penguin decays

Monday 16 April 2012 09:15 (15 minutes)

Presenter: NEEDHAM, Matthew David (College of Science and Engineering)

Session Classification: BCPV

Contribution ID: 26

Type: **not specified**

New Physics in Penguin $B \rightarrow VV$ Decays

Monday 16 April 2012 09:40 (15 minutes)

Presenter: DATTA, Alakabha (University of Mississippi)

Session Classification: BCPV

Contribution ID: 27

Type: **not specified**

UTfit and CKMfitter: impact of LHCb measurements

Tuesday 17 April 2012 17:30 (15 minutes)

Presenter: DERKACH, Denis (INFN Bologna (IT)/CERN)

Session Classification: BCPV

Contribution ID: **28**

Type: **not specified**

Discussion

Monday 16 April 2012 10:20 (25 minutes)

Session Classification: BCPV

Contribution ID: 29

Type: **not specified**

LHCb status of CKM gamma from loop decays

Wednesday 18 April 2012 09:00 (15 minutes)

Presenter: PERAZZINI, Stefano (Sezione di Bologna (INFN))

Session Classification: BCPV

Contribution ID: **30**

Type: **not specified**

CKM gamma from loop decays

Wednesday 18 April 2012 09:25 (15 minutes)

Presenter: SILVESTRINI, Luca (INFN Rome)

Session Classification: BCPV

Contribution ID: 31

Type: **not specified**

LHCb status of CKM gamma from tree decays

Wednesday 18 April 2012 09:50 (15 minutes)

Presenter: RICCIARDI, Stefania (Particle Physics)

Session Classification: BCPV

Contribution ID: 32

Type: **not specified**

CKM gamma from tree decays

Wednesday 18 April 2012 10:15 (15 minutes)

Presenter: ZUPAN, Jure (Jozef Stefan Institute (SI))

Session Classification: BCPV

Contribution ID: 33

Type: **not specified**

Rare decays and multi-body final states at LHCb

Monday 16 April 2012 14:35 (25 minutes)

Presenter: VIAUD, Benoit (Laboratoire de l'Accelérateur Lineaire)

Session Classification: Charm

Contribution ID: **34**

Type: **not specified**

Discussion

Monday 16 April 2012 14:25 (10 minutes)

Session Classification: Charm

Contribution ID: 35

Type: **not specified**

Lattice QCD and charm physics

Monday 16 April 2012 15:10 (25 minutes)

Presenter: Prof. DAVIES, Christine Davies (University of Glasgow)

Session Classification: Charm

Contribution ID: **36**

Type: **not specified**

Discussion

Monday 16 April 2012 15:00 (10 minutes)

Session Classification: Charm

Contribution ID: 37

Type: **not specified**

Multi-body charm decays

Monday 16 April 2012 14:00 (25 minutes)

Presenter: WILKINSON, Guy (Particle Physics)

Session Classification: Charm

Contribution ID: **38**

Type: **not specified**

Discussion

Monday 16 April 2012 15:35 (10 minutes)

Session Classification: Charm

Contribution ID: 39

Type: **not specified**

Measurement of mixing and CP violation parameters in two-body decays at LHCb

Tuesday 17 April 2012 14:00 (25 minutes)

Presenter: CHARLES, Matthew John (University of Oxford (GB))

Session Classification: Charm

Contribution ID: 40

Type: **not specified**

Discussion

Tuesday 17 April 2012 14:25 (10 minutes)

Session Classification: Charm

Contribution ID: 41

Type: **not specified**

SM contribution to DeltaACP

Tuesday 17 April 2012 15:10 (25 minutes)

Presenter: BROD, Joachim (TU Munich)

Session Classification: Charm

Contribution ID: 42

Type: **not specified**

Discussion

Tuesday 17 April 2012 15:00 (10 minutes)

Session Classification: Charm

Contribution ID: 43

Type: **not specified**

Flavour Symmetry Breaking on CP Violation in D-Meson Decays

Tuesday 17 April 2012 14:35 (25 minutes)

Presenter: NANDI, Soumitra (University of Torino)

Session Classification: Charm

Contribution ID: 44

Type: **not specified**

Discussion

Tuesday 17 April 2012 15:35 (10 minutes)

Session Classification: Charm

Contribution ID: 45

Type: **not specified**

Charm physics prospects with the LHCb upgrade

Wednesday 18 April 2012 11:15 (15 minutes)

Presenter: SOKOLOFF, Michael (University of Cincinnati)

Session Classification: Charm

Contribution ID: 46

Type: **not specified**

Discussion

Wednesday 18 April 2012 11:30 (5 minutes)

Session Classification: Charm

Contribution ID: 47

Type: **not specified**

NP interpretations of DeltaACP

Wednesday 18 April 2012 11:35 (20 minutes)

Presenter: KAMENIK, Jernej (Jozef Stefan Institute)

Session Classification: Charm

Contribution ID: 48

Type: **not specified**

Discussion

Wednesday 18 April 2012 11:55 (5 minutes)

Session Classification: Charm

Contribution ID: 49

Type: **not specified**

Interplay of DeltaACP and direct searches

Wednesday 18 April 2012 12:00 (20 minutes)

Presenter: DELAUNAY, Cedric

Session Classification: Charm

Contribution ID: 50

Type: **not specified**

Discussion

Wednesday 18 April 2012 12:20 (10 minutes)

Session Classification: Charm

Contribution ID: 51

Type: **not specified**

Discussion

Monday 16 April 2012 09:30 (10 minutes)

Session Classification: BCPV

Contribution ID: 52

Type: **not specified**

Discussion

Monday 16 April 2012 09:55 (10 minutes)

Session Classification: BCPV

Contribution ID: 53

Type: **not specified**

Discussion

Tuesday 17 April 2012 16:30 (10 minutes)

Session Classification: BCPV

Contribution ID: 54

Type: **not specified**

Discussion

Tuesday 17 April 2012 16:55 (10 minutes)

Session Classification: BCPV

Contribution ID: 55

Type: **not specified**

Discussion

Tuesday 17 April 2012 17:20 (10 minutes)

Session Classification: BCPV

Contribution ID: 56

Type: **not specified**

Discussion

Tuesday 17 April 2012 17:45 (15 minutes)

Session Classification: BCPV

Contribution ID: 57

Type: **not specified**

Discussion

Wednesday 18 April 2012 10:30 (15 minutes)

Session Classification: BCPV

Contribution ID: **58**

Type: **not specified**

Discussion

Wednesday 18 April 2012 09:15 (10 minutes)

Session Classification: BCPV

Contribution ID: 59

Type: **not specified**

Discussion

Wednesday 18 April 2012 09:40 (10 minutes)

Session Classification: BCPV

Contribution ID: **60**

Type: **not specified**

Discussion

Wednesday 18 April 2012 10:05 (10 minutes)

Session Classification: BCPV

Contribution ID: **61**

Type: **not specified**

Full angular analysis – including CP violating observables – in $B_d \rightarrow K^* \ell \ell$

Tuesday 17 April 2012 11:15 (15 minutes)

Presenter: HURTH, Tobias (Johannes-Gutenberg-Universitaet Mainz (DE))

Session Classification: Rare decays

Contribution ID: **62**

Type: **not specified**

From flavor to collider –and back

Tuesday 17 April 2012 09:00 (30 minutes)

Author: NIR, Yosef (Weizmann Institute of Science (IL))

Presenter: NIR, Yosef (Weizmann Institute of Science (IL))

Session Classification: Interplay

Contribution ID: 63

Type: **not specified**

Implications of natural SUSY and non-degenerate squarks

Tuesday 17 April 2012 09:30 (30 minutes)

Presenter: WEILER, Andreas (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Interplay

Contribution ID: 64

Type: **not specified**

Flavor from the hierarchy standpoint

Tuesday 17 April 2012 10:00 (30 minutes)

Presenter: RATTAZZI, Riccardo (Ecole Polytechnique Federale de Lausanne (EPFL))

Session Classification: Interplay