

Future Challenges in Non-Leptonic B Decays ———— Theory and Experiment



Report of Contributions

Contribution ID: 0

Type: **not specified**

Non-leptonic B decays in QCD Factorisation

Wednesday 10 February 2016 08:30 (40 minutes)

Author: BELL, Guido

Presenter: BELL, Guido

Session Classification: Review: Theory and Experiment

Contribution ID: 1

Type: **not specified**

Experimental overview of hadronic B decays

Wednesday 10 February 2016 09:20 (40 minutes)

Presenter: CHOBANOVA, Veronika Georgieva (Universidade de Santiago de Compostela (ES))

Session Classification: Review: Theory and Experiment

Contribution ID: 2

Type: **not specified**

Global CKM fits and nonleptonic B decays

Wednesday 10 February 2016 10:40 (40 minutes)

Presenter: DESCOTES-GENON, Sébastien (CNRS)

Session Classification: Two-Body I

Contribution ID: 3

Type: **not specified**

Precise predictions for penguin contributions to CP asymmetries in B decays

Wednesday 10 February 2016 11:25 (40 minutes)

Presenter: NIERSTE, Ulrich (Karlsruhe Institute of Technology (KIT))

Session Classification: Two-Body I

Contribution ID: 4

Type: **not specified**

Precision determinations of the weak B meson mixing phases including penguin pollution

Wednesday 10 February 2016 13:50 (40 minutes)

Presenter: JUNG, Martin (TUM IAS / Excellence Cluster Universe)

Session Classification: Two-Body II

Contribution ID: 5

Type: **not specified**

Probing CP violation in two-body nonleptonic decays

Wednesday 10 February 2016 14:40 (40 minutes)

Presenter: DATTA, Alakabha

Session Classification: Two-Body II

Contribution ID: 6

Type: **not specified**

Lattice computations of non-leptonic kaon decay amplitudes and the lessons for hadronic B-decays

Wednesday 10 February 2016 16:00 (40 minutes)

Presenter: SACHRAJDA, Christopher (University of Southampton)

Session Classification: Non-Leptonic K decays

Contribution ID: 7

Type: **not specified**

Perturbative calculations for ϵ'/ϵ

Wednesday 10 February 2016 16:45 (40 minutes)

Presenter: GORBAHN, Martin (Liverpool University)

Session Classification: Non-Leptonic K decays

Contribution ID: 8

Type: **not specified**

Experimental results from B decays to charmless and open-charm 3-body final states

Thursday 11 February 2016 08:30 (40 minutes)

Presenter: LATHAM, Thomas Edward (University of Warwick (GB))

Session Classification: Three-Body I

Contribution ID: 9

Type: **not specified**

Three-body Non-Leptonic B decays and QCD Factorization

Thursday 11 February 2016 09:20 (40 minutes)

Presenter: MANNEL, Thomas (Siegen University)

Session Classification: Three-Body I

Contribution ID: **10**

Type: **not specified**

B to $\pi\pi$ form factors: Overview and Results at Large Dipion Masses

Thursday 11 February 2016 10:40 (40 minutes)

Presenter: VAN DYK, Danny (University of Zurich (CH))

Session Classification: B to $\pi\pi$ form factors

Contribution ID: 11

Type: **not specified**

Form factors of B to 2pi transitions form QCD light-cone sum rules

Thursday 11 February 2016 11:25 (40 minutes)

Presenter: KHODJAMIRIAN, Alexander (University of Siegen)

Session Classification: B to pipi form factors

Contribution ID: 12

Type: **not specified**

Two-meson form factors from dispersion relations

Thursday 11 February 2016 13:50 (40 minutes)

Presenter: ROIG GARCÉS, Pablo

Session Classification: Two-pion systems

Contribution ID: 13

Type: **not specified**

Padé Theory: A toolkit for hadronic form factors

Thursday 11 February 2016 14:40 (40 minutes)

Presenter: MASJUAN QUERALT, Pere (u)

Session Classification: Two-pion systems

Contribution ID: 14

Type: **not specified**

Dispersive methods in heavy-meson decays

Thursday 11 February 2016 16:00 (40 minutes)

Presenter: KUBIS, Bastian (Bonn University)

Session Classification: Three-Body II

Contribution ID: 15

Type: **not specified**

Branching fractions and CP violation in hadronic three-body B decays

Thursday 11 February 2016 17:30 (40 minutes)

Presenter: CHENG, Hai-Yang (Academia Sinica)

Session Classification: Three-Body II

Contribution ID: 16

Type: **not specified**

Phenomenology of B->Kpipi modes and prospects with LHCb and Belle II data

Friday 12 February 2016 08:30 (40 minutes)

Presenter: PEREZ PEREZ, Luis Alejandro (IPHC - CNRS)

Session Classification: Mixed Two/Three Body

Contribution ID: 17

Type: **not specified**

QCD factorization in non-leptonic B decays: status of phenomenology and challenges

Friday 12 February 2016 09:20 (40 minutes)

Presenter: BENEKE, Martin (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: Mixed Two/Three Body

Contribution ID: **18**

Type: **not specified**

Power corrections in B decays

Friday 12 February 2016 10:40 (40 minutes)

Presenter: WANG, Yu-Ming (TU Munich)

Session Classification: Two-Body III

Contribution ID: 19

Type: **not specified**

Charmless B \rightarrow MM in QCDF: weak annihilation from data

Friday 12 February 2016 11:25 (40 minutes)

Presenter: BOBETH, Christoph (Technical University Munich)

Session Classification: Two-Body III

Contribution ID: **21**

Type: **not specified**

Summary

Friday 12 February 2016 12:10 (30 minutes)

Presenters: VIRTO, Javier (Universitat Siegen); HUBER, Tobias (University of Siegen)

Session Classification: Closing session

Contribution ID: 23

Type: **not specified**

CP violation and CPT invariance in charmless three-body B decays

Thursday 11 February 2016 16:45 (40 minutes)

Presenter: DE BEDIAGA HICKMAN, Ignacio (Centro Brasileiro de Pesquisas Fisicas (CBPF))

Session Classification: Three-Body II

Contribution ID: 24

Type: **not specified**

Final state interaction on $B^+ \rightarrow \pi^+\pi^-\pi^+$

Thursday 11 February 2016 18:15 (15 minutes)

Presenter: MAGALHÃES, Patricia (IFUSP)

Session Classification: Three-Body II

Contribution ID: 25

Type: **not specified**

Welcome Address

Wednesday 10 February 2016 08:15 (15 minutes)

Presenter: VIRTO, Javier (Universitat Siegen)

Session Classification: Welcome Address