

Flavour as a Window to New Physics at the LHC

Report of Contributions

Contribution ID: 3

Type: **not specified**

Flavour Physics of Leptons and Dipole Moments

Tuesday, 6 May 2008 10:00 (1 hour)

Presenter: RAIDAL, Martti

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics

Contribution ID: 4

Type: **not specified**

Family Symmetries and Neutrino Mixing

Wednesday, 7 May 2008 10:00 (1 hour)

Presenter: VARZIELAS, Ivo

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics

Contribution ID: 5

Type: **not specified**

Leptogenesis

Thursday, 8 May 2008 10:00 (1 hour)

Presenter: MASINA, Isabella

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics

Contribution ID: 8

Type: **not specified**

LFV in SUSY-GUTs and SUSY at the LHC

Friday, 9 May 2008 10:00 (1 hour)

Presenter: VEMPATI, Sudhir

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics

Contribution ID: 11

Type: **not specified**

Quark Models

Tuesday, 13 May 2008 10:00 (1 hour)

Presenter: GALKIN, Vladimir

Session Classification: Week II: QCD I

Contribution ID: 12

Type: **not specified**

How reliable are bound-state parameters extracted from QCD sum rules?

Wednesday, 14 May 2008 10:00 (1 hour)

Presenter: MELIKHOV, Dmitri

Session Classification: Week II: QCD I

Contribution ID: 13

Type: **not specified**

QCD Factorization

Thursday, 15 May 2008 10:00 (1 hour)

Presenter: BENEKE, Martin

Session Classification: Week II: QCD I

Contribution ID: 14

Type: **not specified**

The $f(D_s)$ Puzzle

Friday, 16 May 2008 10:00 (1 hour)

Presenter: KRONFELD, Andreas

Session Classification: Week II: QCD I

Contribution ID: 15

Type: **not specified**

Heavy Flavour Applications of Lattice QCD

Monday, 19 May 2008 10:00 (1 hour)

Presenter: DELLA MORTE, Michele

Session Classification: Week III: QCD II

Contribution ID: 16

Type: **not specified**

Two related methods for dealing with heavy quarks on the lattice

Monday, 19 May 2008 16:00 (1 hour)

Presenter: SOMMER, Rainer

Session Classification: Week III: QCD II

Contribution ID: **18**

Type: **not specified**

Polarization and branching ratios of $B \rightarrow VV, VA, AA$

Tuesday, 20 May 2008 10:00 (1 hour)

Presenter: CHENG, Hai-Yang

Session Classification: Week III: QCD II

Contribution ID: **19**

Type: **not specified**

QCD Effects in Semileptonic B Decays

Wednesday, 21 May 2008 10:00 (1 hour)

Presenter: RICCIARDI, Giulia

Session Classification: Week III: QCD II

Contribution ID: 20

Type: **not specified**

Kaon physics with chiral fermions

Thursday, 22 May 2008 10:00 (1 hour)

Presenter: SACHRAJDA, Chris

Session Classification: Week III: QCD II

Contribution ID: 21

Type: **not specified**

BSM Aspects of Flavour Physics

Friday, 23 May 2008 10:00 (1 hour)

Presenter: BRANCO, Gustavo

Session Classification: Week III: QCD II

Contribution ID: 22

Type: **not specified**

Neutrino Mixing in a Grand Unified Model

Monday, 2 June 2008 10:00 (1 hour)

Presenter: ALTARELLI, Guido

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 23

Type: **not specified**

Rare Kaon Decays as Probes of BSM Physics

Monday, 2 June 2008 16:00 (1 hour)

Presenter: HAISCH, Uli

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 24

Type: **not specified**

Rare B Decays as Probes of BSM Physics

Wednesday, 4 June 2008 10:00 (1 hour)

Presenter: ALI, Ahmed

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 25

Type: **not specified**

QCD Challenges in Non-leptonic B Decays I

Thursday, 5 June 2008 10:00 (20 minutes)

Presenter: CIUCHINI, Marco

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 26

Type: **not specified**

QCD Challenges in Non-leptonic B Decays II

Thursday, 5 June 2008 10:20 (20 minutes)

Presenter: LI, Hsiang-nan

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 27

Type: **not specified**

QCD Challenges in Non-leptonic B Decays III

Thursday, 5 June 2008 10:40 (20 minutes)

Presenter: STEWART, Iain

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 28

Type: **not specified**

QCD Challenges in Non-leptonic B Decays IV

Thursday, 5 June 2008 11:00 (20 minutes)

Presenter: LU, Cai-Dian

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 29

Type: **not specified**

Discussion Session: QCD Challenges in Non-leptonic B Decays

Thursday, 5 June 2008 11:30 (30 minutes)

Session Classification: Week V: Beyond the Standard Model

Contribution ID: **30**

Type: **not specified**

Informal Discussion on U-spin Bs- \rightarrow DsK, B \rightarrow Dpi, ...

Thursday, 5 June 2008 16:30 (1 hour)

Presenter: GLIGOROV, Vladimir

Session Classification: Week V: Beyond the Standard Model

Contribution ID: **31**

Type: **not specified**

Welcome

Monday, 5 May 2008 16:00 (2 hours)

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics

Contribution ID: 32

Type: **not specified**

Flavour-GUT $SO(10) \times (SU(3) \times U(1))$: large mixing and mass hierarchy in the SM (Informal Talk)

Wednesday, 7 May 2008 16:00 (1 hour)

Presenter: PICARIELLO, Marco

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics

Contribution ID: **33**

Type: **not specified**

Flavour Coffee

Tuesday, 13 May 2008 16:00 (1 hour)

Session Classification: Week II: QCD I

Contribution ID: 35

Type: **not specified**

Flavour Coffee

Friday, 16 May 2008 16:00 (1 hour)

Session Classification: Week II: QCD I

Contribution ID: 37

Type: **not specified**

Flavour Coffee

Thursday, 22 May 2008 16:00 (1 hour)

Session Classification: Week III: QCD II

Contribution ID: 40

Type: **not specified**

Heavy Quark Masses

Friday, 6 June 2008 09:30 (1 hour)

Presenter: HOANG, Andre

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 41

Type: **not specified**

ATLAS New Physics Searches at High p_T

Monday, 9 June 2008 14:00 (30 minutes)

Presenter: GOLLING, Tobias

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 42

Type: **not specified**

Early New Physics Reach: CMS

Monday, 9 June 2008 14:30 (30 minutes)

Presenter: BUCHMUELLER, Oliver

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 43

Type: **not specified**

Discussion

Monday, 9 June 2008 15:00 (30 minutes)

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 44

Type: **not specified**

Supersymmetric Flavour and Selectron Smuon Splitting

Tuesday, 10 June 2008 09:30 (1 hour)

Presenter: ALLANACH, Ben

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 45

Type: **not specified**

Discussion

Tuesday, 10 June 2008 11:00 (1 hour)

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 46

Type: **not specified**

Tools and Benchmarks

Tuesday, 10 June 2008 14:00 (45 minutes)

Presenter: HEINEMEYER, Sven

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 47

Type: **not specified**

GFitter: A Generic Fitter Project for HEP Model Testing

Tuesday, 10 June 2008 15:00 (20 minutes)

Presenter: FLAECHER, Henning

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 48

Type: **not specified**

Non-MFV and Non-SUSY Models

Wednesday, 11 June 2008 10:00 (1 hour)

Presenter: OKADA, Yasuhiro

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 49

Type: **not specified**

Discussion

Wednesday, 11 June 2008 11:30 (30 minutes)

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 50

Type: **not specified**

TH Colloquium: Warped Extra Dimension at the LHC

Wednesday, 11 June 2008 14:00 (1 hour)

Presenter: SONI, Amarjit

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 51

Type: **not specified**

Muon $g-2$ and Electric Dipole Moments

Thursday, 12 June 2008 10:00 (1 hour)

Presenter: VAINSHTEIN, Arkady

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 52

Type: **not specified**

Discussion

Thursday, 12 June 2008 11:00 (1 hour)

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 53

Type: **not specified**

Lepton Flavour and Number Violation

Thursday, 12 June 2008 14:00 (1 hour)

Presenter: ELLIS, John

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 54

Type: **not specified**

Discussion

Thursday, 12 June 2008 15:00 (30 minutes)

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: 55

Type: **not specified**

Joint Welcome

Monday, 26 May 2008 14:00 (5 minutes)

Presenters: DE ROECK, Albert; FLEISCHER, Robert

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 56

Type: **not specified**

LHC machine status

Monday, 26 May 2008 14:05 (25 minutes)

Presenter: LAMONT, Mike

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 57

Type: **not specified**

LHCb physics programme

Monday, 26 May 2008 14:30 (30 minutes)

Presenter: MERK, Marcel

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 58

Type: **not specified**

ATLAS B-physics programme

Monday, 26 May 2008 15:00 (15 minutes)

Presenter: BEN-AMI, Sagi

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 59

Type: **not specified**

CMS B-physics programme

Monday, 26 May 2008 15:15 (15 minutes)

Presenter: STARODUMOV, Andrei

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **60**

Type: **not specified**

B-physics theory overview

Monday, 26 May 2008 15:30 (30 minutes)

Presenter: BIGI, Ikaros

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **62**

Type: **not specified**

Bs Mixing Phase and CP Violation at the Tevatron

Tuesday, 27 May 2008 09:30 (30 minutes)

Presenter: RESCIGNO, Marco

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 63

Type: **not specified**

New physics search in $B_s \rightarrow J\psi\Phi$ and $B_s \rightarrow \Phi\Phi$ at LHCb, including ATLAS and CMS results

Tuesday, 27 May 2008 10:00 (30 minutes)

Presenter: LEROY, Olivier

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **64**

Type: **not specified**

Bs Mixing (Theory)

Tuesday, 27 May 2008 11:00 (30 minutes)

Presenter: LENZ, Alexander

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 65

Type: **not specified**

Discussion

Tuesday, 27 May 2008 11:30 (30 minutes)

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **66**

Type: **not specified**

gamma determination at LHCb

Tuesday, 27 May 2008 14:00 (30 minutes)

Presenter: CARBONE, Angelo

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 67

Type: **not specified**

Theory Issues in Measuring gamma

Tuesday, 27 May 2008 14:30 (30 minutes)

Presenter: SILVESTRINI, Luca

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **68**

Type: **not specified**

Discussion

Tuesday, 27 May 2008 15:30 (30 minutes)

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **69**

Type: **not specified**

B0s -> mu+mu- in CMS & ATLAS

Wednesday, 28 May 2008 09:30 (10 minutes)

Presenter: EGGEL, Christina

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 70

Type: **not specified**

Studies of Semileptonic Rare B Decays at ATLAS and CMS

Wednesday, 28 May 2008 09:40 (10 minutes)

Presenter: ADORISIO, Cristina

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 71

Type: **not specified**

Rare Decays at LHCb

Wednesday, 28 May 2008 09:50 (20 minutes)

Presenter: PATEL, Mitesh

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 72

Type: **not specified**

Rare B Decays: Theory

Wednesday, 28 May 2008 10:40 (30 minutes)

Presenter: MISIAK, Mikolaj

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 73

Type: **not specified**

Discussion

Wednesday, 28 May 2008 11:10 (50 minutes)

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 74

Type: **not specified**

TH Colloquium: Old and New Flavour Physics

Wednesday, 28 May 2008 14:00 (1 hour)

Presenter: WYLER, Daniel

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 75

Type: **not specified**

Charm Physics at LHCb

Thursday, 29 May 2008 10:00 (30 minutes)

Presenter: MURESAN, Raluca

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 76

Type: **not specified**

Charm Physics (Theory)

Thursday, 29 May 2008 10:30 (30 minutes)

Presenter: PETROV, Alexei

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 77

Type: **not specified**

Discussion

Thursday, 29 May 2008 11:00 (1 hour)

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 78

Type: **not specified**

Non-CP Physics at LHCb

Thursday, 29 May 2008 14:00 (30 minutes)

Presenter: SCHMELLING, Michael

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **80**

Type: **not specified**

Determination of V_{cb} and V_{ub} (Theory)

Thursday, 29 May 2008 14:30 (30 minutes)

Presenter: URALTSEV, Nikolai

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **81**

Type: **not specified**

Discussion

Thursday, 29 May 2008 15:00 (30 minutes)

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **82**

Type: **not specified**

LHCb upgrade

Friday, 30 May 2008 09:00 (20 minutes)

Presenter: LIBBY, Jim

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **83**

Type: **not specified**

Status and Prospects of sKEKB

Friday, 30 May 2008 09:20 (20 minutes)

Presenter: USHIRODA, Yutaka

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **84**

Type: **not specified**

The SuperB Project: an overview

Friday, 30 May 2008 09:40 (20 minutes)

Presenter: GIORGI, Marcello

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 85

Type: **not specified**

Non-Perturbative QCD Calculations for B Physics (and related topics)

Friday, 30 May 2008 10:30 (30 minutes)

Presenter: MARTINELLI, Guido

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **86**

Type: **not specified**

Theory Outlook

Friday, 30 May 2008 11:00 (30 minutes)

Presenter: LIGETI, Zoltan

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 87

Type: **not specified**

Final Discussion

Friday, 30 May 2008 11:30 (30 minutes)

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **89**

Type: **not specified**

Rare Kaon Decays: Experimental Prospects

Monday, 2 June 2008 17:00 (1 hour)

Presenter: CECCUCCI, Augusto

Session Classification: Week V: Beyond the Standard Model

Contribution ID: **90**

Type: **not specified**

Measuring Flavour Mixing with Minimal Flavour Violation at the LHC

Tuesday, 3 June 2008 10:00 (1 hour)

Presenter: HILLER, Gudrun

Session Classification: Week V: Beyond the Standard Model

Contribution ID: **91**

Type: **not specified**

CERN Joint EP/PP Seminar: Understanding flavour at the LHC

Tuesday, 6 May 2008 16:30 (1 hour)

Presenter: NIR, Yosef

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics: Afternoon Session

Contribution ID: 92

Type: **not specified**

CERN Colloquium: Worrying about the LHC, a lesson from astrophysics?

Thursday, 15 May 2008 16:30 (1 hour)

Presenter: DE RUJULA, Alvaro

Session Classification: Week II: QCD I

Contribution ID: 93

Type: **not specified**

Applications of QCD Sum Rules to Flavour Physics

Tuesday, 20 May 2008 16:00 (1 hour)

Presenter: KHODJAMIRIAN, Alexander

Session Classification: Week III: QCD II

Contribution ID: 94

Type: **not specified**

Flavour Coffee

Thursday, 8 May 2008 16:00 (1 hour)

Session Classification: Week I: Lepton Flavour & Beyond the Standard Model Physics

Contribution ID: 95

Type: **not specified**

Recent Results from HERA

Monday, 26 May 2008 16:30 (30 minutes)

Presenter: DIACONU, Christi

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **96**

Type: **not specified**

Jet Physics at Colliders

Monday, 26 May 2008 17:00 (30 minutes)

Presenter: SALAM, Gavin

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: 97

Type: **not specified**

ATLAS Luminosity measurements and PDF uncertainty role on the LHC physics

Monday, 26 May 2008 17:30 (30 minutes)

Presenter: BOONEKAMP, Martin

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **98**

Type: **not specified**

Expectations for QCD with first LHC data

Monday, 26 May 2008 18:00 (30 minutes)

Presenter: RABBERTZ, Klaus

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **100**

Type: **not specified**

Flavour Coffee

Wednesday, 21 May 2008 16:00 (1 hour)

Session Classification: Week III: QCD II: Afternoon Session

Contribution ID: **101**

Type: **not specified**

Joint PP/EP Tuesday Seminar: Measurements of the Unitarity Triangle angles at the B factories

Tuesday, 27 May 2008 16:30 (1 hour)

Presenter: BONA, Marcella

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **102**

Type: **not specified**

Joint PP/EP Tuesday Seminar: Constraints on new physics from $b \rightarrow s$ hadronic decays at Babar

Tuesday, 3 June 2008 16:30 (1 hour)

Presenter: PIERINI, Maurizio

Session Classification: Week V: Beyond the Standard Model

Contribution ID: **103**

Type: **not specified**

Special Seminar: Where to expect New Physics in flavour-violating processes?

Thursday, 29 May 2008 16:00 (1 hour)

Presenter: BURAS, Andrzej

Session Classification: Week IV: B@LHC Focus Week

Contribution ID: **104**

Type: **not specified**

The MSSM with minimal flavour violations and its running

Tuesday, 10 June 2008 10:30 (30 minutes)

Presenter: COLANGELO, Gilberto

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: **105**

Type: **not specified**

Discussion Session: Determination of V_{cb} and V_{ub}

Friday, 30 May 2008 16:00 (1 hour)

Session Classification: Week IV: B@LHC Focus Week: Long-Term Future

Contribution ID: **106**

Type: **not specified**

A framework for consistent combination of indirect constraints on the MSSM

Tuesday, 10 June 2008 15:20 (20 minutes)

Presenter: RONGA, Frederic

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: **107**

Type: **not specified**

Discussion

Tuesday, 10 June 2008 15:40 (20 minutes)

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: **108**

Type: **not specified**

Flavour Coffee

Friday, 6 June 2008 16:00 (15 minutes)

Session Classification: Week V: Beyond the Standard Model: Afternoon Session

Contribution ID: **109**

Type: **not specified**

MSSM predictions for $B_s \rightarrow \mu \mu$ at low $\tan(\beta)$

Friday, 6 June 2008 16:15 (30 minutes)

Presenter: DEDES, Athanasios

Session Classification: Week V: Beyond the Standard Model: Afternoon Session

Contribution ID: 110

Type: **not specified**

Exploiting the width difference DGs in Bs -> phi gamma

Friday, 6 June 2008 16:45 (30 minutes)

Presenter: ZWICKY, Roman

Session Classification: Week V: Beyond the Standard Model: Afternoon Session

Contribution ID: **111**

Type: **not specified**

Flavour Coffee

Thursday, 5 June 2008 16:15 (15 minutes)

Session Classification: Week V: Beyond the Standard Model

Contribution ID: 112

Type: **not specified**

Some implications of a large phase in Bs mixing

Wednesday, 11 June 2008 11:00 (30 minutes)

Presenter: CIUCHINI, Marco

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: **113**

Type: **not specified**

Model-Independent Analyses in Flavour Physics

Tuesday, 10 June 2008 14:45 (15 minutes)

Presenters: HILLER, Gudrun; HAISCH, Ulrich

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week

Contribution ID: **114**

Type: **not specified**

Discussion

Friday, 13 June 2008 10:00 (30 minutes)

Session Classification: Week VI: Flavour/High-Q2 Interplay Focus Week