

**Session Program**

**5 May 2008 to 13 June 2008**

**Flavour as a Window to New Physics at the  
LHC**

***Week IV: B@LHC Focus Week***

CERN, TH Theory Conference Room

# Monday 26 May

14:00

## Week IV: B@LHC Focus Week: Joint Start-up Session (with HERA-LHC Workshop)

Session | Location: CERN, 500/1-001 - Main Auditorium

### 14:00-14:05 Joint Welcome

#### Speakers

Albert De Roeck, Robert Fleischer

### 14:05-14:30 LHC machine status

#### Speaker

Mike Lamont

### 14:30-15:00 LHCb physics programme

#### Speaker

Marcel Merk

### 15:00-15:15 ATLAS B-physics programme

#### Speaker

Sagi Ben-Ami

### 15:15-15:30 CMS B-physics programme

#### Speaker

Andrei Starodumov

### 15:30-16:00 B-physics theory overview

#### Speaker

Ikaros Bigi

### 16:00-16:30 Coffee Break

### 16:30-17:00 Recent Results from HERA

#### Speaker

Christi Diaconu

### 17:00-17:30 Jet Physics at Colliders

#### Speaker

Gavin Salam

### 17:30-18:00

## ATLAS Luminosity measurements and PDF uncertainty role on the LHC physics

#### Speaker

Martin Boonekamp

### 18:00-18:30 Expectations for QCD with first LHC data

#### Speaker

Klaus Rabbertz

18:30

## Tuesday 27 May

09:30

### Week IV: B@LHC Focus Week: Bs Physics and CP Violation: Bs -> J/psi phi, ...

Session | Location: CERN, TH Theory Conference Room

09:30-10:00

#### Bs Mixing Phase and CP Violation at the Tevatron

**Speaker**

Marco Rescigno

10:00-10:30

#### New physics search in Bs->JpsiPhi and Bs->PhiPhi at LHCb, including ATLAS and CMS results

**Speaker**

Olivier Leroy

10:30-11:00

#### Coffe Break

11:00-11:30

#### Bs Mixing (Theory)

**Speaker**

Alexander Lenz

11:30-12:00

#### Discussion

12:00

14:00

### Week IV: B@LHC Focus Week: Bs Physics and CP Violation: gamma determinations

Session | Location: CERN, TH Theory Conference Room

14:00-14:30

#### gamma determination at LHCb

**Speaker**

Angelo Carbone

**Location**

CERN, TH Theory Conference Room

14:30-15:00

#### Theory Issues in Measuring gamma

**Speaker**

Luca Silvestrini

**Location**

CERN, TH Theory Conference Room

15:00-15:30

#### Coffee Break

15:30-16:00

#### Discussion

**Location**

CERN, TH Theory Conference Room

16:30-17:30

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

18:00

**Speaker**

Marcella Bona

**Location**

CERN, 500/1-001 - Main Auditorium

## Wednesday 28 May

09:30

### Week IV: B@LHC Focus Week: Rare B Decays

Session | Location: CERN, TH Theory Conference Room

09:30-09:40 **B0s -> mu+mu- in CMS & ATLAS**

**Speaker**

Christina Eggel

09:40-09:50 **Studies of Semileptonic Rare B Decays at ATLAS and CMS**

**Speaker**

Cristina Adorisio

09:50-10:10 **Rare Decays at LHCb**

**Speaker**

Mitesh Patel

10:10-10:40 **Coffee Break**

10:40-11:10 **Rare B Decays: Theory**

**Speaker**

Mikolaj Misiak

11:10-12:00 **Discussion**

13:40

14:00

### Week IV: B@LHC Focus Week

Session | Location: CERN, TH Theory Conference Room

14:00-15:00 **TH Colloquium: Old and New Flavour Physics**

**Speaker**

Daniel Wyler

16:00

## Thursday 29 May

10:00

### Week IV: B@LHC Focus Week: Charm, Tau, New States, ...

Session | Location: CERN, 13/2-005

#### 10:00-10:30 Charm Physics at LHCb

**Speaker**

Raluca Muresan

**Location**

CERN, 13/2-005

#### 10:30-11:00 Charm Physics (Theory)

**Speaker**

Alexei Petrov

**Location**

CERN, 13/2-005

#### 11:00-12:00 Discussion

**Location**

CERN, 13/2-005

12:00

14:00

### Week IV: B@LHC Focus Week: Spectroscopy, Lambda\_b, |V(xb)|, ...

Session | Location: CERN, TH Theory Conference Room

#### 14:00-14:30 Non-CP Physics at LHCb

**Speaker**

Michael Schmelling

#### 14:30-15:00 Determination of $V_{cb}$ and $V_{ub}$ (Theory)

**Speaker**

Nikolai Uraltsev

#### 15:00-15:30 Discussion

#### 15:30-16:00 Coffe Break

#### 16:00-17:00

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

**Speaker**

Andrzej Buras

18:00

# Friday 30 May

09:00

## Week IV: B@LHC Focus Week: Long-Term Future

Session | Location: CERN, TH Theory Conference Room

09:00–09:20 **LHCb upgrade**

**Speaker**

Jim Libby

09:20–09:40 **Status and Prospects of sKEKB**

**Speaker**

Yutaka Ushiroda

09:40–10:00 **The SuperB Project: an overview**

**Speaker**

Marcello Giorgi

10:00–10:30 **Coffee Break**

10:30–11:00 **Non-Perturbative QCD Calculations for B Physics (and related topics)**

**Speaker**

Guido Martinelli

11:00–11:30 **Theory Outlook**

**Speaker**

Zoltan Ligeti

11:30–12:00 **Final Discussion**

12:00