

# **Challenges for Precision Physics at the LHC**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Introduction

*Wednesday, 15 December 2010 09:30 (30 minutes)*

**Presenter:** KRASNY, Mieczyslaw (Universites de Paris VI et VII)

Contribution ID: 1

Type: **not specified**

## **Status and perspectives of LHCb**

*Wednesday, 15 December 2010 10:30 (40 minutes)*

**Presenter:** WILKINSON, Guy (Nuclear Physics Laboratory)

Contribution ID: 2

Type: **not specified**

## **Status and perspectives of ATLAS**

*Wednesday, 15 December 2010 11:10 (40 minutes)*

**Presenter:** MANSOULIE, Bruno (DAPNIA)

Contribution ID: 3

Type: **not specified**

## W/Z physics in D0

*Wednesday, 15 December 2010 11:50 (40 minutes)*

**Presenter:** STARK, Jan (Laboratoire de Physique Subatomique et de Cosmologie (LPSC)-Univ)

Contribution ID: 4

Type: **not specified**

## **The LHC precision challenges - the standard model perspective**

*Wednesday, 15 December 2010 14:00 (1 hour)*

**Presenter:** Dr SLAVICH, Pietro (LPTHE)

Contribution ID: 5

Type: **not specified**

# Electroweak precision measurements –the LEP legacy

*Wednesday, 15 December 2010 15:00 (40 minutes)*

**Presenter:** HOECKER, Andreas (CERN)

Contribution ID: 6

Type: **not specified**

## **Precision tests of the flavour sector of the standard model**

*Wednesday, 15 December 2010 15:40 (40 minutes)*

**Presenter:** CHAUVEAU, Jacques (Universites de Paris VI et VII)



Contribution ID: 7

Type: **not specified**

## **The LHC precision challenges –the BSM perspective**

*Saturday, 18 December 2010 10:30 (1 hour)*

**Presenter:** RYCHKOV, Vyacheslav (Scuola Normale Superiore)

Contribution ID: 8

Type: **not specified**

## **Advanced computing methods and the LHC**

*Wednesday, 15 December 2010 17:30 (1 hour)*

**Presenter:** BOUDJEMA, Fawzi (CNRS)

Contribution ID: 9

Type: **not specified**

## Understanding of the LHC partonic beams

*Thursday, 16 December 2010 09:00 (1 hour)*

**Presenter:** UBIALI, maria (University of Edinburgh)

Contribution ID: **10**

Type: **not specified**

## **W/Z physics in CDF**

*Thursday, 16 December 2010 10:30 (40 minutes)*

**Presenter:** KOTWAL, Ashutosh (Duke University)

Contribution ID: **11**

Type: **not specified**

## **Status and perspectives of CMS**

*Thursday, 16 December 2010 11:10 (40 minutes)*

**Presenter:** ROLANDI, Gigi (CERN)

Contribution ID: 12

Type: **not specified**

## **Measurements of the electroweak standard model parameters - pp versus ppbar collider**

*Thursday, 16 December 2010 11:50 (40 minutes)*

**Presenter:** DYDAK, Friedrich (CERN)

Contribution ID: 13

Type: **not specified**

## **The Monte-Carlo tools for the Drell-Yan production of W and Z bosons at hadronic colliders - present**

*Thursday, 16 December 2010 14:00 (1 hour)*

**Presenter:** Prof. WEBBER, Bryan (Cavendish Laboratory, University of Cambridge)

Contribution ID: 14

Type: **not specified**

## **Flavour structure of protons and its implication for the W and Z production at the LHC (strangeness, charm , beauty and all that)**

*Thursday, 16 December 2010 15:00 (40 minutes)*

**Presenter:** FORTE, Stefano (Milan University)



Contribution ID: 15

Type: **not specified**

## **Valence/sea structure of protons and its implication for the production and decay of W and Z bosons at the LHC**

*Thursday, 16 December 2010 15:40 (40 minutes)*

**Presenter:** GLAZOV, Alexandre (Deutsches Elektronen-Synchrotron (DESY))

Contribution ID: 16

Type: **not specified**

## **Transverse momentum distributions of W and Z bosons at the Tevatron and at the LHC**

*Thursday, 16 December 2010 16:50 (40 minutes)*

**Presenter:** FERRERA, Giancarlo (University of Florence)

Contribution ID: 17

Type: **not specified**

## **The Monte-Carlo tools for the Drell-Yan production of W and Z bosons for the precision measurements era - an outlook**

*Thursday, 16 December 2010 17:30 (1 hour)*

**Presenter:** JADACH, Staszek (Krakow)

Contribution ID: 19

Type: **not specified**

## **Precision electroweak measurements - LHCb perspectives**

*Friday, 17 December 2010 09:00 (1 hour)*

**Primary author:** Dr SHEARS, Tara (UNIVERSITY OF LIVERPOOL)

**Presenter:** Dr SHEARS, Tara (UNIVERSITY OF LIVERPOOL)

**Session Classification:** Experimental Session

Contribution ID: 20

Type: **not specified**

## Precision electroweak measurements - CMS perspectives

*Friday, 17 December 2010 10:30 (1 hour)*

**Primary author:** KESISOGLOU, Stilianos (Institute of Nuclear Physics-Nat. Cent. for Sci. Res. Demokritos)

**Presenter:** KESISOGLOU, Stilianos (Institute of Nuclear Physics-Nat. Cent. for Sci. Res. Demokritos)

**Session Classification:** Experimental Session

Contribution ID: 21

Type: **not specified**

## **Heavy and light nuclear collisions at the LHC**

*Friday, 17 December 2010 14:00 (1 hour)*

**Presenter:** Dr JOWETT, John (CERN)

Contribution ID: 22

Type: **not specified**

## Precision physics with the LHeC

*Friday, 17 December 2010 15:00 (40 minutes)*

**Presenter:** KLEIN, Max (University of Liverpool)

Contribution ID: 23

Type: **not specified**

## **Precision control of the LHC partonic beams using the combined LHC and Tevatron data. The role of future DIS initiatives (NuSONG, CERN-SPS, HERA, eRHIC)**

*Friday, 17 December 2010 15:40 (40 minutes)*

**Presenter:** Prof. OLNES, Fred (Southern Methodist University)



Contribution ID: 24

Type: **not specified**

## **Experimental control of the LHC partonic beams**

*Friday, 17 December 2010 16:50 (40 minutes)*

**Session Classification:** Experimental Session

Contribution ID: 25

Type: **not specified**

## **The role of standard candles (Z-boson, Upsilon, J/Psi, proton and photon) in precision measurements - presentation and discussion**

*Friday, 17 December 2010 17:50 (40 minutes)*

**Session Classification:** Experimental Session

Contribution ID: 26

Type: **not specified**

## **The pp collisions at the LHC –present status and future plans**

*Saturday, 18 December 2010 09:00 (1 hour)*

**Presenter:** MYERS, Steve (CERN)

Contribution ID: 27

Type: **not specified**

## **New methods and tools for jet studies**

*Wednesday, 15 December 2010 16:50 (40 minutes)*

**Presenter:** SALAM, Gavin

Contribution ID: 28

Type: **not specified**

## Conclusion and Outlook

*Saturday, 18 December 2010 11:30 (1 hour)*

**Presenter:** ALTARELLI, Guido (CERN)

Contribution ID: 29

Type: **not specified**

## **Precision electroweak measurements - ATLAS perspectives**

*Friday, 17 December 2010 11:30 (1 hour)*

**Presenter:** BOONEKAMP, Maarten (DAPNIA)

**Session Classification:** Experimental Session

Contribution ID: **30**

Type: **not specified**

## **A fixed target experiment with the extracted LHC beam**

*Friday, 17 December 2010 17:30 (20 minutes)*

**Presenter:** LANSBERG, Jean-Philippe (Ecole Polytechnique)

**Session Classification:** Experimental Session