

**TeV4LHC, CERN meeting**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

# **Tevatron commissioning and interaction with experiments**

*Thursday, 28 April 2005 09:00 (30 minutes)*

**Primary author:** SPALDING, J (FNAL)

**Presenter:** SPALDING, J (FNAL)

**Session Classification:** The Tevatron Commissioning experience

Contribution ID: 2

Type: **not specified**

## Physics commissioning at CDF

*Thursday, 28 April 2005 09:30 (40 minutes)*

Understanding of triggers and of physics objects: jets, photons, tracks, b's, etc

**Primary author:** TONY LISS

**Presenter:** TONY LISS

**Session Classification:** The Tevatron Commissioning experience

Contribution ID: 3

Type: **not specified**

## Physics commissioning at D0

*Thursday, 28 April 2005 10:10 (40 minutes)*

**Primary author:** KRISTIAN HARDER

**Presenter:** KRISTIAN HARDER

**Session Classification:** The Tevatron Commissioning experience

Contribution ID: 4

Type: **not specified**

## Computing and offline at CDF

*Thursday, 28 April 2005 11:10 (30 minutes)*

Includes grid-like production experiences, event data models, users' feedback, etc

**Primary author:** STEFANO BELFORTE

**Presenter:** STEFANO BELFORTE

**Session Classification:** The Tevatron Commissioning experience

Contribution ID: 5

Type: **not specified**

## Computing and offline at D0

*Thursday, 28 April 2005 11:40 (30 minutes)*

**Primary author:** AMBER BOEHNLEIN

**Presenter:** AMBER BOEHNLEIN

**Session Classification:** The Tevatron Commissioning experience

Contribution ID: 6

Type: **not specified**

## Welcome

*Thursday, 28 April 2005 08:50 (10 minutes)*

**Session Classification:** The Tevatron Commissioning experience

Contribution ID: 7

Type: **not specified**

# **LHC commissioning and interaction with the experiments**

*Saturday, 30 April 2005 09:00 (30 minutes)*

**Primary author:** MIKE LAMONT (CERN)

**Presenter:** MIKE LAMONT (CERN)

**Session Classification:** LHC machine commissioning



Contribution ID: 8

Type: **not specified**

## QCD WG

*Saturday, 30 April 2005 11:00 (30 minutes)*

**Primary author:** JOEY HUSTON (Michigan State University)

**Presenter:** JOEY HUSTON (Michigan State University)

**Session Classification:** WG Summaries

Contribution ID: 9

Type: **not specified**

## Top & EW WG

*Saturday, 30 April 2005 11:30 (30 minutes)*

**Primary author:** DOREEN WACKEROTH (SUNY at Buffalo)

**Presenter:** DOREEN WACKEROTH (SUNY at Buffalo)

**Session Classification:** WG Summaries

Contribution ID: **10**

Type: **not specified**

## Higgs

*Saturday, 30 April 2005 12:00 (30 minutes)*

**Primary author:** AARON DOMINGUEZ (University of Nebraska – Lincoln)

**Presenter:** AARON DOMINGUEZ (University of Nebraska – Lincoln)

**Session Classification:** WG Summaries

Contribution ID: **11**

Type: **not specified**

## Landscape

*Saturday, 30 April 2005 12:30 (30 minutes)*

**Primary author:** VOLKER BUESCHER (Freiburg)

**Presenter:** VOLKER BUESCHER (Freiburg)

**Session Classification:** WG Summaries

Contribution ID: 12

Type: **not specified**

## The Final Meeting

*Saturday, 30 April 2005 13:00 (15 minutes)*

**Primary author:** STEPHEN MRENNA (Fermilab)

**Presenter:** STEPHEN MRENNA (Fermilab)

**Session Classification:** WG Summaries

Contribution ID: 13

Type: **not specified**

## Latest physics results from CDF

*Thursday, 28 April 2005 13:30 (30 minutes)*

**Primary author:** JOEY HUSTON

**Presenter:** JOEY HUSTON

**Session Classification:** Tevatron results

Contribution ID: 14

Type: **not specified**

## Latest physics results from D0

*Thursday, 28 April 2005 14:00 (30 minutes)*

**Primary author:** DANIEL BLOCH (IReS Strasbourg)

**Presenter:** DANIEL BLOCH (IReS Strasbourg)

**Session Classification:** Tevatron results

Contribution ID: 15

Type: **not specified**

## **LHCb: Detector status and physics program**

*Saturday, 30 April 2005 09:30 (30 minutes)*

**Primary author:** NAKADA, T.

**Presenter:** NAKADA, T.

**Session Classification:** LHC preparation



Contribution ID: 16

Type: **not specified**

# The ALICE proton-proton physics programme and the commissioning of LHC

*Saturday, 30 April 2005 10:00 (30 minutes)*

**Primary author:** J.P. REVOL

**Presenter:** J.P. REVOL

**Session Classification:** LHC preparation

Contribution ID: 17

Type: **not specified**

## Distinguishing $Z'$ models in ATLAS

*Friday, 29 April 2005 16:30 (25 minutes)*

**Primary author:** BENJAMIN TROCME (Grenoble)

**Presenter:** BENJAMIN TROCME (Grenoble)

**Session Classification:** Landscape WG, part III

Contribution ID: **18**

Type: **not specified**

## Discussion

*Friday, 29 April 2005 17:00 (1 hour)*

**Session Classification:** Landscape WG, part III

Contribution ID: **19**

Type: **not specified**

## **ATLAS: detector status, test beams and plans for commissioning**

*Thursday, 28 April 2005 14:30 (30 minutes)*

**Primary author:** G. MORNACCHI (CERN)

**Presenter:** G. MORNACCHI (CERN)

**Session Classification:** LHC preparations

Contribution ID: 20

Type: **not specified**

## **CMS: detector status, test beams and plans for commissioning**

*Thursday, 28 April 2005 15:00 (30 minutes)*

**Primary author:** MIKA HUHTINEN (CERN)

**Presenter:** MIKA HUHTINEN (CERN)

**Session Classification:** LHC preparations

Contribution ID: 21

Type: **not specified**

## Physics commissioning in CMS

*Thursday, 28 April 2005 16:00 (40 minutes)*

Includes computing/offline/prospects for early analyses

**Primary author:** OLIVER BUCHMULLER (CERN)

**Presenter:** OLIVER BUCHMULLER (CERN)

**Session Classification:** LHC preparations

Contribution ID: 22

Type: **not specified**

## Physics commissioning in ATLAS

*Thursday, 28 April 2005 16:40 (40 minutes)*

**Primary author:** DAN TOVEY (Sheffield)

**Presenter:** DAN TOVEY (Sheffield)

**Session Classification:** LHC preparations

Contribution ID: 23

Type: **not specified**

## **TOTEM: status and physics programme**

*Thursday, 28 April 2005 17:30 (30 minutes)*

**Primary author:** VALENTINA AVATI (Univ. of Helsinki)

**Presenter:** VALENTINA AVATI (Univ. of Helsinki)

**Session Classification:** LHC preparations



Contribution ID: 24

Type: **not specified**

## Summary of HERA/LHC workshop and prospects

*Thursday, 28 April 2005 18:00 (30 minutes)*

**Primary author:** ALBERT DE ROECK (CERN-PH/EP)

**Presenter:** ALBERT DE ROECK (CERN-PH/EP)

**Session Classification:** LHC preparations

Contribution ID: 25

Type: **not specified**

## **Jet measurements at the Tevatron: the story so far**

*Friday, 29 April 2005 09:00 (30 minutes)*

**Primary author:** J. HUSTON (Michigan State University)

**Presenter:** J. HUSTON (Michigan State University)

**Session Classification:** QCD WG, part I

Contribution ID: 26

Type: **not specified**

## Properties of the Run II cone algorithm at D0

*Friday, 29 April 2005 09:30 (30 minutes)*

**Primary author:** Z. HUBACEK (Czech Technical University)

**Presenter:** Z. HUBACEK (Czech Technical University)

**Session Classification:** QCD WG, part I

Contribution ID: 27

Type: **not specified**

## **fastNLO: fast calculations of NLO cross sections**

*Friday, 29 April 2005 11:10 (30 minutes)*

**Primary author:** KLAUS RABBERTZ (Univ. Karlsruhe)

**Presenter:** KLAUS RABBERTZ (Univ. Karlsruhe)

**Session Classification:** QCD WG, part I

Contribution ID: 28

Type: **not specified**

## **Multiple Interactions, Sherpa results vs. Tevatron data**

*Friday, 29 April 2005 10:00 (30 minutes)*

**Primary author:** S. HOECHE (TU Dresden)

**Presenter:** S. HOECHE (TU Dresden)

**Session Classification:** QCD WG, part I

Contribution ID: 29

Type: **not specified**

## Discussion

*Friday, 29 April 2005 10:30 (20 minutes)*

**Primary author:** ALL

**Presenter:** ALL

**Session Classification:** QCD WG, part I

Contribution ID: **30**

Type: **not specified**

## **Towards a new type of QCD ISR parton shower MC**

*Friday, 29 April 2005 11:40 (15 minutes)*

**Primary author:** S JADACH (Krakow)

**Presenter:** S JADACH (Krakow)

**Session Classification:** QCD WG, part I

Contribution ID: 31

Type: **not specified**

## **Prospect for precision measurements of single-top cross sections with ATLAS**

*Friday, 29 April 2005 08:50 (30 minutes)*

**Primary author:** LUCOTTE, A. (LPSC Grenoble)

**Presenter:** LUCOTTE, A. (LPSC Grenoble)

**Session Classification:** Top & EW WG, part I



Contribution ID: 32

Type: **not specified**

## **Small-x and heavy quark effects in Z/W/H production at Tevatron and LHC**

*Friday, 29 April 2005 11:50 (30 minutes)*

**Primary author:** BERGE, S. (Southern Methodist University)

**Presenter:** BERGE, S. (Southern Methodist University)

**Session Classification:** Top & EW WG, part I

Contribution ID: **33**

Type: **not specified**

## Discussion

*Friday, 29 April 2005 12:20 (20 minutes)*

**Primary author:** ALL

**Presenter:** ALL

**Session Classification:** Top & EW WG, part I

Contribution ID: 34

Type: **not specified**

## Top quark studies at CMS

*Friday, 29 April 2005 10:20 (30 minutes)*

**Primary author:** GIAMMANCO, A. (INFN-Pisa)

**Presenter:** GIAMMANCO, A. (INFN-Pisa)

**Session Classification:** Top & EW WG, part I

Contribution ID: 35

Type: **not specified**

## Status of WINHAC

*Friday, 29 April 2005 11:40 (10 minutes)*

**Primary author:** SKRZYPEK, M. (CERN & Krakow, INP)

**Presenter:** SKRZYPEK, M. (CERN & Krakow, INP)

**Session Classification:** Top & EW WG, part I

Contribution ID: 36

Type: **not specified**

## Search for Single Top Quark Production at the Tevatron

*Friday, 29 April 2005 09:20 (30 minutes)*

**Primary author:** GARCIA-BELLIDO, A. (University of Washington)

**Presenter:** GARCIA-BELLIDO, A. (University of Washington)

**Session Classification:** Top & EW WG, part I

Contribution ID: 37

Type: **not specified**

## Using Charge Asymmetries to Measure LHC Single Top Quark Production

*Friday, 29 April 2005 09:50 (30 minutes)*

**Primary author:** BOWEN, M. (University of Washington)

**Presenter:** BOWEN, M. (University of Washington)

**Session Classification:** Top & EW WG, part I

Contribution ID: **38**

Type: **not specified**

## **Recent developments on PHOTOS**

*Friday, 29 April 2005 11:10 (30 minutes)*

**Primary author:** GOLONKA, P. (CERN & Institute of Nuclear Physics (Krakow))

**Presenter:** GOLONKA, P. (CERN & Institute of Nuclear Physics (Krakow))

**Session Classification:** Top & EW WG, part I

Contribution ID: 39

Type: **not specified**

## Update on ALPGEN

*Friday, 29 April 2005 14:00 (30 minutes)*

**Primary author:** MANGANO, M. (CERN)

**Presenter:** MANGANO, M. (CERN)

**Session Classification:** QCD and Top & EW WG, part II



Contribution ID: 40

Type: **not specified**

## **Report on PYTHIA 8 and parton showering in PYTHIA 6.3**

*Friday, 29 April 2005 14:30 (30 minutes)*

**Primary author:** T. SJOSTRAND (CERN/Lund University)

**Presenter:** T. SJOSTRAND (CERN/Lund University)

**Session Classification:** QCD and Top & EW WG, part II

Contribution ID: 41

Type: **not specified**

## **W + jets at the Tevatron: the story so far**

*Friday, 29 April 2005 15:00 (30 minutes)*

**Primary author:** S. MRENNA (Fermilab)

**Presenter:** S. MRENNA (Fermilab)

**Session Classification:** QCD and Top & EW WG, part II

Contribution ID: 42

Type: **not specified**

## W/Z + jets at D0

*Friday, 29 April 2005 16:30 (30 minutes)*

**Primary author:** A. KHARCHILAVA (Notre Dame U..)

**Presenter:** A. KHARCHILAVA (Notre Dame U..)

**Session Classification:** QCD and Top & EW WG, part II

Contribution ID: 43

Type: **not specified**

## **MC@NLO: recent activity and future plans**

*Friday, 29 April 2005 18:00 (30 minutes)*

**Primary author:** S. FRIXIONE (Genoa)

**Presenter:** S. FRIXIONE (Genoa)

**Session Classification:** QCD and Top & EW WG, part II

Contribution ID: 44

Type: **not specified**

## **Simulation jet and W/Z+jets production with SHERPA**

*Friday, 29 April 2005 15:30 (30 minutes)*

**Primary author:** GLEISBERG, T. (TU Dresden)

**Presenter:** GLEISBERG, T. (TU Dresden)

**Session Classification:** QCD and Top & EW WG, part II

Contribution ID: 45

Type: **not specified**

## tt+j at NLO

*Friday, 29 April 2005 17:00 (30 minutes)*

**Primary author:** UWER, P. (CERN)

**Presenter:** UWER, P. (CERN)

**Session Classification:** QCD and Top & EW WG, part II

Contribution ID: 46

Type: **not specified**

## **ATLAS sensitivity to W polarization and top spin correlation in $t\bar{t}$ events**

*Friday, 29 April 2005 17:30 (30 minutes)*

**Primary author:** HUBAUT, F. (CPPM Marseille)

**Presenter:** HUBAUT, F. (CPPM Marseille)

**Session Classification:** QCD and Top & EW WG, part II

Contribution ID: 47

Type: **not specified**

## Z->bb at CDF

*Friday, 29 April 2005 09:55 (25 minutes)*

**Primary author:** JULIEN DONINI

**Presenter:** JULIEN DONINI

**Session Classification:** Higgs WG, part I



Contribution ID: 48

Type: **not specified**

## Discussion

*Friday, 29 April 2005 12:05 (25 minutes)*

**Session Classification:** Higgs WG, part I

Contribution ID: 49

Type: **not specified**

## **H->WW->lnlnu**

*Friday, 29 April 2005 11:35 (25 minutes)*

**Primary author:** BILL QUAYLE

**Presenter:** BILL QUAYLE

**Session Classification:** Higgs WG, part I

Contribution ID: 50

Type: **not specified**

## **Recent results on SM Higgs searches at Tevatron**

*Friday, 29 April 2005 11:00 (30 minutes)*

**Primary author:** GREGORIO BERNARDI

**Presenter:** GREGORIO BERNARDI

**Session Classification:** Higgs WG, part I

Contribution ID: 51

Type: **not specified**

## **Inclusive production of Higgs and Z bosons with heavy quarks**

*Friday, 29 April 2005 09:00 (20 minutes)*

**Primary author:** FABIO MALTONI (CERN)

**Presenter:** FABIO MALTONI (CERN)

**Session Classification:** Higgs WG, part I

Contribution ID: 52

Type: **not specified**

## **Impact of Higgs width at large $\tan\beta$ on $bbh$ searches**

*Friday, 29 April 2005 09:25 (25 minutes)*

**Primary author:** MARINE MICHAUT

**Presenter:** MARINE MICHAUT

**Session Classification:** Higgs WG, part I

Contribution ID: 53

Type: **not specified**

## **SUSY searches: where Tevatron may help LHC analyses**

*Friday, 29 April 2005 09:00 (25 minutes)*

**Primary author:** SABINE KRAML (CERN)

**Presenter:** SABINE KRAML (CERN)

**Session Classification:** Landscape WG, part I

Contribution ID: 54

Type: **not specified**

## **PROSPINO and Leptoquarks: From Tev. to TeV**

*Friday, 29 April 2005 10:00 (25 minutes)*

**Primary author:** MICHAEL SPIRA (PSI)

**Presenter:** MICHAEL SPIRA (PSI)

**Session Classification:** Landscape WG, part I

Contribution ID: 55

Type: **not specified**

## Discussion

*Friday, 29 April 2005 12:10 (20 minutes)*

**Session Classification:** Landscape WG, part I



Contribution ID: 56

Type: **not specified**

## **Studies of V+jets backgrounds to SUSY searches**

*Friday, 29 April 2005 09:30 (25 minutes)*

**Primary author:** SHOJI ASAI (Tokyo)

**Presenter:** SHOJI ASAI (Tokyo)

**Session Classification:** Landscape WG, part I

Contribution ID: 57

Type: **not specified**

## **discussion**

*Friday, 29 April 2005 10:30 (20 minutes)*

**Session Classification:** Landscape WG, part I

Contribution ID: **58**

Type: **not specified**

## **SFITTER**

*Friday, 29 April 2005 11:40 (20 minutes)*

**Primary author:** DIRK ZERWAS (Orsay)

**Presenter:** DIRK ZERWAS (Orsay)

**Session Classification:** Landscape WG, part I

Contribution ID: 59

Type: **not specified**

## Same-sign dimuon SUSY search at CMS

*Friday, 29 April 2005 11:10 (25 minutes)*

**Primary author:** ALEXEY DROZDETSKIY

**Presenter:** ALEXEY DROZDETSKIY

**Session Classification:** Landscape WG, part I

Contribution ID: **60**

Type: **not specified**

## **What can the Tevatron do to help the Higgs searches at the LHC**

*Friday, 29 April 2005 14:00 (25 minutes)*

**Primary author:** SVEN HEINEMEYER (CERN)

**Presenter:** SVEN HEINEMEYER (CERN)

**Session Classification:** Higgs and Landscape, part II

Contribution ID: **61**

Type: **not specified**

## Discussion

*Friday, 29 April 2005 15:30 (30 minutes)*

**Session Classification:** Higgs and Landscape, part II

Contribution ID: 62

Type: **not specified**

## **Results of the search for SUSY Higgs at D0, and future prospects**

*Friday, 29 April 2005 14:30 (25 minutes)*

**Primary author:** ANDY HAAS (Univ. of Washington)

**Presenter:** ANDY HAAS (Univ. of Washington)

**Session Classification:** Higgs and Landscape, part II

Contribution ID: **63**

Type: **not specified**

## **Identification of tau-leptons in ATLAS and D0**

*Friday, 29 April 2005 15:00 (25 minutes)*

**Primary author:** MICHAEL HELDMANN (Freiburg)

**Presenter:** MICHAEL HELDMANN (Freiburg)

**Session Classification:** Higgs and Landscape, part II