

# **Hadron Collider Physics Summer School 2008**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## CDF Results

*Friday, 15 August 2008 16:00 (40 minutes)*

**Presenter:** SAVOY-NAVARRO, Aurore (LPHNE and Universite de Pierre et Marie Curie, Paris)

**Session Classification:** Recent Results from CDF and D0

Contribution ID: 1

Type: **not specified**

## **D0 Results**

*Friday, 15 August 2008 16:40 (40 minutes)*

**Presenter:** ASKEW, Andrew (Florida State University)

**Session Classification:** Recent Results from CDF and D0

Contribution ID: 5

Type: **not specified**

## **SM / Precision EW - Lecture 1**

*Tuesday, 12 August 2008 09:00 (1h 15m)*

**Presenter:** ALTARELLI, Guido (Universita' di Roma Tre and CERN)

**Session Classification:** SM / Precision EW

Contribution ID: 6

Type: **not specified**

## **SM / Precision EW - Lecture 2**

*Wednesday, 13 August 2008 09:00 (1h 15m)*

**Presenter:** ALTARELLI, Guido (Universita' di Roma Tre and CERN)

**Session Classification:** SM / Precision EW

Contribution ID: 7

Type: **not specified**

## **SM / Precision EW - Lecture 3**

*Thursday, 14 August 2008 09:00 (1h 15m)*

**Presenter:** ALTARELLI, Guido (Universita' di Roma Tre and CERN)

**Session Classification:** SM / Precision EW

Contribution ID: 8

Type: **not specified**

## **Trigger / DAQ - Lecture 1**

*Tuesday, 12 August 2008 10:45 (1h 15m)*

**Presenter:** SMITH, Wesley (University of Wisconsin)

**Session Classification:** Trigger / DAQ

Contribution ID: 9

Type: **not specified**

## **Trigger / DAQ - Lecture 2**

*Wednesday, 13 August 2008 10:45 (1h 15m)*

**Presenter:** SMITH, Wesley (University of Wisconsin)

**Session Classification:** Trigger / DAQ



Contribution ID: **10**

Type: **not specified**

## **QCD - Lecture 1**

*Tuesday, 12 August 2008 14:00 (1h 15m)*

**Presenter:** ZANDERIGHI, Giulia (Oxford University)

**Session Classification:** QCD

Contribution ID: 11

Type: **not specified**

## QCD - Lecture 2

*Wednesday, 13 August 2008 14:00 (1h 15m)*

**Presenter:** ZANDERIGHI, Giulia (Oxford University)

**Session Classification:** QCD

Contribution ID: 12

Type: **not specified**

## QCD - Lecture 3

*Thursday, 14 August 2008 14:00 (1h 15m)*

**Presenter:** ZANDERIGHI, Giulia (Oxford University)

**Session Classification:** QCD

Contribution ID: 13

Type: **not specified**

## QCD - Lecture 4

*Friday, 15 August 2008 14:00 (1h 15m)*

**Presenter:** ZANDERIGHI, Giulia (Oxford University)

**Session Classification:** QCD

Contribution ID: 14

Type: **not specified**

## **SM / Precision EW**

*Wednesday, 13 August 2008 17:30 (1h 15m)*

**Presenters:** DOBRESCU, Bogdan; ALTARELLI, Guido

**Session Classification:** Discussion Sessions

Contribution ID: **16**

Type: **not specified**

## **QCD**

*Wednesday, 13 August 2008 17:30 (1h 15m)*

**Presenters:** BERGER, Ed; ZANDERIGHI, Giulia

**Session Classification:** Discussion Sessions

Contribution ID: 17

Type: **not specified**

## Calorimetry

*Wednesday, 13 August 2008 17:30 (1h 15m)*

**Presenters:** CANELLI, Florencia; BASSLER, Ursula

**Session Classification:** Discussion Sessions

Contribution ID: **18**

Type: **not specified**

## **Statistics - Lecture 1**

*Thursday, 14 August 2008 10:45 (1h 15m)*

**Presenter:** PIEGAIA, Ricardo (University of Buenos Aires)

**Session Classification:** Statistics



Contribution ID: **19**

Type: **not specified**

## **Statistics - Lecture 2**

*Friday, 15 August 2008 10:45 (1h 15m)*

**Presenter:** PIEGAIA, Ricardo (University of Buenos Aires)

**Session Classification:** Statistics

Contribution ID: 20

Type: **not specified**

## **Statistics - Lecture 3**

*Saturday, 16 August 2008 10:45 (1h 15m)*

**Presenter:** PIEGAIA, Ricardo (University of Buenos Aires)

**Session Classification:** Statistics

Contribution ID: 21

Type: **not specified**

# Calorimetry - Lecture 1

*Tuesday, 12 August 2008 15:45 (1h 15m)*

Showers and Detectors

**Presenter:** BASSLER, Ursula (Irfu/SPP CEA-Saclay)

**Session Classification:** Calorimetry

Contribution ID: 22

Type: **not specified**

## Calorimetry - Lecture 2

*Wednesday, 13 August 2008 15:45 (1h 15m)*

Signal Treatment and Calibration

**Presenter:** BASSLER, Ursula (Irfu/SPP CEA-Saclay)

**Session Classification:** Calorimetry

Contribution ID: 23

Type: **not specified**

## Calorimetry - Lecture 3

*Thursday, 14 August 2008 15:45 (1h 15m)*

Simulation and Reconstruction

**Presenter:** BASSLER, Ursula (Irfu/SPP CEA-Saclay)

**Session Classification:** Calorimetry

Contribution ID: 24

Type: **not specified**

## Heavy Flavor - Lecture 1

*Friday, 15 August 2008 09:00 (1h 15m)*

**Presenter:** NEUBERT, Matthias (Johannes Gutenberg University, Mainz)

**Session Classification:** Heavy Flavor

Contribution ID: 25

Type: **not specified**

## Heavy Flavor - Lecture 2

*Saturday, 16 August 2008 09:00 (1h 15m)*

**Presenter:** NEUBERT, Matthias (Johannes Gutenberg University, Mainz)

**Session Classification:** Heavy Flavor

Contribution ID: 26

Type: **not specified**

## **SUSY - Lecture 1**

*Monday, 18 August 2008 09:00 (1h 15m)*

**Presenter:** MARTIN, Steve (Northern Illinois University)

**Session Classification:** Supersymmetry (SUSY)



Contribution ID: 27

Type: **not specified**

## **SUSY - Lecture 2**

*Tuesday, 19 August 2008 09:00 (1h 15m)*

**Presenter:** MARTIN, Steve (Northern Illinois University)

**Session Classification:** Supersymmetry (SUSY)

Contribution ID: 28

Type: **not specified**

## **SUSY - Lecture 3**

*Wednesday, 20 August 2008 09:00 (1h 15m)*

**Presenter:** MARTIN, Steve (Northern Illinois University)

**Session Classification:** Supersymmetry (SUSY)

Contribution ID: 29

Type: **not specified**

## **Muons - Lecture 1**

*Monday, 18 August 2008 10:45 (1h 15m)*

**Presenter:** WOOD, Darien (Northeastern University)

**Session Classification:** Muons

Contribution ID: **30**

Type: **not specified**

## **Muons - Lecture 2**

*Tuesday, 19 August 2008 10:45 (1h 15m)*

**Presenter:** WOOD, Darien (Northeastern University)

**Session Classification:** Muons

Contribution ID: **31**

Type: **not specified**

# Higgs - Lecture 1

*Monday, 18 August 2008 14:00 (1h 15m)*

**Presenter:** HABER, Howard (University of California, Santa Cruz)

**Session Classification:** Higgs Boson Theory and Phenomenology

Contribution ID: 32

Type: **not specified**

## Higgs - Lecture 2

*Tuesday, 19 August 2008 14:00 (1h 15m)*

**Presenter:** HABER, Howard (University of California, Santa Cruz)

**Session Classification:** Higgs Boson Theory and Phenomenology

Contribution ID: 33

Type: **not specified**

## Tracking - Lecture 1

*Monday, 18 August 2008 15:45 (1h 15m)*

**Presenter:** STUART, David (University of California, Santa Barbara)

**Session Classification:** Tracking

Contribution ID: 34

Type: **not specified**

## Tracking - Lecture 2

*Tuesday, 19 August 2008 15:45 (1h 15m)*

**Presenter:** STUART, David (University of California, Santa Barbara)

**Session Classification:** Tracking



Contribution ID: 35

Type: **not specified**

## Tracking - Lecture 3

*Wednesday, 20 August 2008 17:30 (1h 15m)*

**Presenter:** STUART, David (University of California, Santa Barbara)

**Session Classification:** Tracking

Contribution ID: 36

Type: **not specified**

## **Extra Dimensions - Lecture 1**

*Monday, 18 August 2008 17:30 (1h 15m)*

**Presenter:** PONTON, Eduardo (Columbia University)

**Session Classification:** Extra Dimensions

Contribution ID: 37

Type: **not specified**

## **Strong Dynamics - Lecture 1**

*Thursday, 21 August 2008 09:00 (1h 15m)*

**Presenter:** CHIVUKULA, R. Sekhar (Michigan State University)

**Session Classification:** Strong Dynamics

Contribution ID: **38**

Type: **not specified**

## **Strong Dynamics - Lecture 2**

*Friday, 22 August 2008 09:00 (1h 15m)*

**Presenter:** CHIVUKULA, R. Sekhar (Michigan State University)

**Session Classification:** Strong Dynamics

Contribution ID: 39

Type: **not specified**

## Data Analysis - Lecture 1

*Wednesday, 20 August 2008 10:45 (1h 15m)*

**Presenter:** HEINEMANN, Beate (University of California, Berkeley and LBNL)

**Session Classification:** Data Analysis

Contribution ID: 40

Type: **not specified**

## Data Analysis - Lecture 2

*Thursday, 21 August 2008 10:45 (1h 15m)*

**Presenter:** HEINEMANN, Beate (University of California, Berkeley and LBNL)

**Session Classification:** Data Analysis

Contribution ID: 41

Type: **not specified**

## **Data Analysis - Lecture 3**

*Friday, 22 August 2008 10:45 (1h 15m)*

**Presenter:** HEINEMANN, Beate (University of California, Berkeley and LBNL)

**Session Classification:** Data Analysis

Contribution ID: 42

Type: **not specified**

## Accelerator Physics

*Thursday, 14 August 2008 17:30 (1h 15m)*

**Presenter:** SYPHERS, Michael (Fermilab)

**Session Classification:** Accelerator Physics



Contribution ID: 43

Type: **not specified**

## The Large Hadron Collider

*Saturday, 16 August 2008 14:00 (1h 15m)*

**Presenter:** LAMONT, Mike (CERN)

**Session Classification:** The Large Hadron Collider

Contribution ID: 44

Type: **not specified**

**(no title)**

*Tuesday, 12 August 2008 19:30 (45 minutes)*

**Presenters:** ZANDERIGHI, Giulia; ALTARELLI, Guido; MCBRIDE, Patty; SMITH, Wesley

**Session Classification:** Open Panel Discussion

Contribution ID: 45

Type: **not specified**

**(no title)**

*Thursday, 14 August 2008 19:45 (1 hour)*

**Presenters:** ALTARELLI, Guido; SYPHERS, Mike; BASSLER, Ursula

**Session Classification:** Open Panel Discussion

Contribution ID: 46

Type: **not specified**

**(no title)**

*Friday, 15 August 2008 19:45 (1 hour)*

**Presenters:** NEUBERT, Matthias; LAMONT, Mike; SYPHERS, Mike; PIEGAIA, Ricardo

Contribution ID: 51

Type: **not specified**

## SUSY

*Tuesday, 19 August 2008 17:30 (1h 15m)*

**Presenters:** LYKKEN, Joe; MARTIN, Steve

**Session Classification:** Discussion Sessions

Contribution ID: 52

Type: **not specified**

## **Muons and Tracking**

*Tuesday, 19 August 2008 17:30 (1h 15m)*

**Presenters:** WOOD, Darien; STUART, David; JAMES, Eric; LIPTON, Ron

**Session Classification:** Discussion Sessions

Contribution ID: 53

Type: **not specified**

## Higgs

*Tuesday, 19 August 2008 17:30 (1h 15m)*

**Presenters:** WAGNER, Carlos; HABER, Howard

**Session Classification:** Discussion Sessions

Contribution ID: 54

Type: **not specified**

## Extra Dimensions

*Tuesday, 19 August 2008 17:30 (1h 15m)*

**Presenters:** PONTON, Eduardo; LOW, Ian

**Session Classification:** Discussion Sessions



Contribution ID: 55

Type: **not specified**

**(no title)**

*Tuesday, 19 August 2008 19:45 (1 hour)*

**Presenters:** STUART, David; PONTON, Eduardo; HABER, Howard; MARTIN, Steve

**Session Classification:** Open Panel Discussion

Contribution ID: 56

Type: **not specified**

**(no title)**

*Wednesday, 20 August 2008 19:45 (1 hour)*

**Presenters:** HEINEMANN, Beate; STUART, David; PONTON, Eduardo; TENCHINI, Roberto; MARTIN, Steve

**Session Classification:** Open Panel Discussion

Contribution ID: 57

Type: **not specified**

## Welcome

*Tuesday, 12 August 2008 08:45 (15 minutes)*

**Presenter:** ODDONE, Pier (Fermilab)

**Session Classification:** Welcome

Contribution ID: 58

Type: **not specified**

## **Data Structure, Computing Model**

*Tuesday, 12 August 2008 17:15 (1h 15m)*

**Presenter:** MCBRIDE, Patricia (Fermilab)

**Session Classification:** Data Structure, Computing Model

Contribution ID: 59

Type: **not specified**

## Statistics

*Friday, 15 August 2008 17:30 (1h 15m)*

**Presenters:** PIEGALA, Ricardo; JUNK, Tom

**Session Classification:** Discussion Sessions

Contribution ID: **60**

Type: **not specified**

## **Accelerator**

*Friday, 15 August 2008 17:30 (1h 15m)*

**Presenters:** PREBYS, Eric; LAMONT, Mike; SYPHERS, Mike

**Session Classification:** Discussion Sessions

Contribution ID: **61**

Type: **not specified**

## Heavy Flavor

*Friday, 15 August 2008 17:30 (1h 15m)*

**Presenters:** LUNGHI, Enrico; NEUBERT, Matthias

**Session Classification:** Discussion Sessions

Contribution ID: **62**

Type: **not specified**

## QCD

*Friday, 15 August 2008 17:30 (1h 15m)*

**Presenters:** BERGER, Ed; ZANDERIGHI, Giulia

**Session Classification:** Discussion Sessions



Contribution ID: **63**

Type: **not specified**

## **Extra Dimensions - Lecture 2**

*Wednesday, 20 August 2008 14:15 (1h 15m)*

**Presenter:** PONTON, Eduardo (Columbia University)

**Session Classification:** Extra Dimensions

Contribution ID: 65

Type: **not specified**

## **Road to Discovery: LHC Commissioning and Early Physics Analyses**

*Wednesday, 20 August 2008 16:00 (1 hour)*

**Presenter:** TENCHINI, Roberto (University of Pisa)

**Session Classification:** Colloquium

Contribution ID: 66

Type: **not specified**

## **Preparing for the Next Step in One's Career - How to Look for a Job**

*Wednesday, 20 August 2008 12:45 (1 hour)*

**Presenter:** ROSER, Rob (Fermilab)

**Session Classification:** Lunch Seminar

Contribution ID: 67

Type: **not specified**

## Connections between HEP and Cosmology

*Thursday, 21 August 2008 17:30 (1h 15m)*

**Presenter:** KOLB, Rocky (University of Chicago)

**Session Classification:** Trip to University of Chicago

Contribution ID: **68**

Type: **not specified**

## Welcome and Introductory Remarks

*Thursday, 21 August 2008 17:15 (15 minutes)*

**Session Classification:** Trip to University of Chicago

Contribution ID: **69**

Type: **not specified**

## **What Can the Open Science Grid Do for You?**

*Friday, 15 August 2008 12:45 (1 hour)*

**Presenter:** PORDES, Ruth (Fermilab)

**Session Classification:** Lunch Seminar

Contribution ID: 70

Type: **not specified**

## **3D presentation from the Space Visualization Group**

*Thursday, 21 August 2008 14:10 (50 minutes)*

**Presenter:** DR. MARK SUBBARAO

**Session Classification:** Trip to University of Chicago

Contribution ID: 71

Type: **not specified**

## **Cosmic Collisions**

*Thursday, 21 August 2008 15:50 (35 minutes)*

**Presenter:** FILM

**Session Classification:** Trip to University of Chicago