

# **2010 Hadron Collider Physics Summer School**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Registration, Pheasant Run Lobby**

Contribution ID: 1

Type: **not specified**

## **Bus to Fermilab**

Contribution ID: 2

Type: **not specified**

## Software Help

Contribution ID: 3

Type: **not specified**

## Organizational Session

Contribution ID: 4

Type: **not specified**

## Panel Discussion of Results

Contribution ID: 5

Type: **not specified**

## Announcements

*Tuesday, August 17, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: 6

Type: **not specified**

## Software Help

*Monday, August 16, 2010 8:30 AM (30 minutes)*

**Presenter:** PLAGER, Charles (Fermilab, LPC)

**Session Classification:** Organization



Contribution ID: 7

Type: **not specified**

## **Organizational Session**

*Monday, August 16, 2010 9:00 AM (30 minutes)*

**Session Classification:** Organization

Contribution ID: **8**

Type: **not specified**

## Announcements

*Wednesday, August 18, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: 9

Type: **not specified**

## Announcements

*Thursday, August 19, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: **10**

Type: **not specified**

## Announcements

*Friday, August 20, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: **11**

Type: **not specified**

## Announcements

*Saturday, August 21, 2010 10:30 AM (15 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: **12**

Type: **not specified**

## Announcements

*Monday, August 23, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: **13**

Type: **not specified**

## Announcements

*Tuesday, August 24, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: 14

Type: **not specified**

## Announcements

*Wednesday, August 25, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)



Contribution ID: 15

Type: **not specified**

## Announcements

*Thursday, August 26, 2010 10:30 AM (15 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: **16**

Type: **not specified**

## Announcements

*Friday, August 27, 2010 9:00 AM (10 minutes)*

**Presenters:** Dr KRONFELD, Andreas (Fermilab); Dr GLENZINSKI, Douglas (Fermilab); Dr FOX, Patrick (Fermilab)

Contribution ID: 17

Type: **not specified**

## **The Standard Model, 1/5**

*Tuesday, August 17, 2010 9:10 AM (1h 15m)*

**Presenter:** GROSSMAN, Yuval (Cornell University)

**Session Classification:** The Standard Model

Contribution ID: **18**

Type: **not specified**

## **Particle Accelerators, 1/2**

*Tuesday, August 17, 2010 10:45 AM (1h 15m)*

**Presenter:** Dr PREBYS, Eric (Fermilab)

**Session Classification:** Particle Accelerators

Contribution ID: 19

Type: **not specified**

## **Particle Accelerators, 2/2**

*Wednesday, August 18, 2010 10:45 AM (1h 15m)*

**Presenter:** Dr PREBYS, Eric (Fermilab)

**Session Classification:** Particle Accelerators

Contribution ID: 20

Type: **not specified**

## QCD, 1/4

*Tuesday, August 17, 2010 1:30 PM (1h 15m)*

**Presenter:** CAMPBELL, John (Fermilab)

**Session Classification:** Quantum Chromodynamics

Contribution ID: 21

Type: **not specified**

## Calorimetry, 1/3

*Tuesday, August 17, 2010 2:45 PM (1h 15m)*

**Presenter:** NACHTMAN, Jane (University of Iowa)

**Session Classification:** Calorimetry

Contribution ID: 22

Type: **not specified**

## Flavor Physics, 1/2

*Tuesday, August 17, 2010 4:20 PM (1h 15m)*

**Presenter:** GERSHON, Tim (Warwick University)

**Session Classification:** Flavor Physics



Contribution ID: 23

Type: **not specified**

## **A History of Fermilab**

*Tuesday, August 17, 2010 7:00 PM (1 hour)*

**Presenter:** KOLB, Adrienne (Fermilab)

**Session Classification:** A History of Fermilab

Contribution ID: 24

Type: **not specified**

## **The Standard Model, 2/5**

*Wednesday, August 18, 2010 9:10 AM (1h 15m)*

**Presenter:** GROSSMAN, Yuval (Cornell University)

**Session Classification:** The Standard Model

Contribution ID: 25

Type: **not specified**

## QCD, 2/4

*Wednesday, August 18, 2010 1:10 PM (1h 15m)*

**Presenter:** CAMPBELL, John (Fermilab)

**Session Classification:** Quantum Chromodynamics

Contribution ID: 26

Type: **not specified**

## Calorimetry, 2/3

*Wednesday, August 18, 2010 2:25 PM (1h 15m)*

**Presenter:** NACHTMAN, Jane (University of Iowa)

**Session Classification:** Calorimetry

Contribution ID: 27

Type: **not specified**

## Neutrino Physics

*Wednesday, August 18, 2010 4:00 PM (1 hour)*

**Presenter:** PASCOLI, Silvia (Durham University)

**Session Classification:** Fermilab Colloquium: Neutrino Physics

Contribution ID: 28

Type: **not specified**

## **The Standard Model, 3/5**

*Thursday, August 19, 2010 9:10 AM (1h 15m)*

**Presenter:** GROSSMAN, Yuval (Cornell University)

**Session Classification:** The Standard Model

Contribution ID: 29

Type: **not specified**

## QCD, 3/4

*Thursday, August 19, 2010 10:45 AM (1h 15m)*

**Presenter:** CAMPBELL, John (Fermilab)

**Session Classification:** Quantum Chromodynamics

Contribution ID: **30**

Type: **not specified**

## **Calorimetry, 3/3**

*Thursday, August 19, 2010 1:30 PM (1h 15m)*

**Presenter:** NACHTMAN, Jane (University of Iowa)

**Session Classification:** Calorimetry



Contribution ID: **31**

Type: **not specified**

## **The Standard Model, 4/5**

*Thursday, August 19, 2010 2:45 PM (1h 15m)*

**Presenter:** GROSSMAN, Yuval (Cornell University)

**Session Classification:** The Standard Model

Contribution ID: **32**

Type: **not specified**

## **Flavor Physics, 2/2**

*Thursday, August 19, 2010 4:20 PM (1h 15m)*

**Presenter:** GERSHON, Tim (Warwick University)

**Session Classification:** Flavor Physics

Contribution ID: 33

Type: **not specified**

## **The Standard Model, 5/5**

*Friday, August 20, 2010 9:10 AM (1h 15m)*

**Presenter:** GROSSMAN, Yuval (Cornell University)

**Session Classification:** The Standard Model

Contribution ID: **34**

Type: **not specified**

## **Statistics for Particle Physics, 1/2**

*Friday, August 20, 2010 10:45 AM (1h 45m)*

**Presenter:** BARLOW, Roger (University of Manchester)

**Session Classification:** Statistics for Particle Physics

Contribution ID: 35

Type: **not specified**

## **QCD, Top Quark Physics, and Exotic Searches**

*Friday, August 20, 2010 2:00 PM (45 minutes)*

**Presenter:** SCHWANENBERGER, Christian (University of Manchester)

**Session Classification:** Recent Results from the Tevatron

Contribution ID: 36

Type: **not specified**

## **Heavy Flavors & Electroweak Physics and Higgs Searches**

*Friday, August 20, 2010 2:45 PM (45 minutes)*

**Presenter:** Dr JAMES, Eric (Fermi National Accelerator Lab)

**Session Classification:** Recent Results from the Tevatron

Contribution ID: 37

Type: **not specified**

## **Dark Energy - the Missing 70% of the Universe**

*Friday, August 20, 2010 4:00 PM (1 hour)*

**Presenter:** FLAUGHER, Brenna (Fermilab)

**Session Classification:** Dark Energy

Contribution ID: **38**

Type: **not specified**

## Tracking, 1/3

*Friday, August 20, 2010 6:45 PM (1h 15m)*

**Presenter:** HILDRETH, Mike (Notre Dame University)

**Session Classification:** Tracking



Contribution ID: 39

Type: **not specified**

## **Statistics for Particle Physics, 2/2**

*Saturday, August 21, 2010 10:45 AM (1h 45m)*

**Presenter:** BARLOW, Roger (University of Manchester)

**Session Classification:** Statistics for Particle Physics

Contribution ID: 40

Type: **not specified**

## Tracking, 2/3

*Saturday, August 21, 2010 2:00 PM (1h 15m)*

**Presenter:** HILDRETH, Mike (Notre Dame University)

**Session Classification:** Tracking

Contribution ID: 41

Type: **not specified**

## Supersymmetry, 1/4

*Monday, August 23, 2010 9:10 AM (1h 15m)*

**Presenter:** LOGAN, Heather (Carleton University)

**Session Classification:** Supersymmetry

Contribution ID: 42

Type: **not specified**

## QCD, 4/4

*Monday, August 23, 2010 10:45 AM (1h 15m)*

**Presenter:** CAMPBELL, John (Fermilab)

**Session Classification:** Quantum Chromodynamics

Contribution ID: 43

Type: **not specified**

## Tracking, 3/3

*Monday, August 23, 2010 1:30 PM (1h 15m)*

**Presenter:** HILDRETH, Mike (Notre Dame University)

**Session Classification:** Tracking

Contribution ID: 44

Type: **not specified**

## **Triggering and Data Acquisition, 1/2**

*Monday, August 23, 2010 2:45 PM (1h 15m)*

**Presenter:** VACHON, Brigitte (McGill University)

**Session Classification:** Triggering and Data Acquisition

Contribution ID: 45

Type: **not specified**

## Cosmology

*Monday, August 23, 2010 6:45 PM (1h 15m)*

**Presenter:** Dr HOOPER, Dan (Fermilab)

**Session Classification:** Cosmology

Contribution ID: 46

Type: **not specified**

## Supersymmetry, 2/4

*Tuesday, August 24, 2010 9:10 AM (1h 15m)*

**Presenter:** LOGAN, Heather (Carleton University)

**Session Classification:** Supersymmetry



Contribution ID: 47

Type: **not specified**

## Particle Identification, 1/3

*Tuesday, August 24, 2010 2:45 PM (1h 15m)*

**Presenter:** ULLALAND, Olav (CERN)

**Session Classification:** Particle Identification

Contribution ID: 48

Type: **not specified**

## **Physics Beyond the Standard Model, 1/3**

*Tuesday, August 24, 2010 10:45 AM (1h 15m)*

**Presenter:** LUTY, Markus (UC Davis)

**Session Classification:** Physics Beyond the Standard Model

Contribution ID: 49

Type: **not specified**

## **Triggering and Data Acquisition, 2/2**

*Tuesday, August 24, 2010 1:30 PM (1h 15m)*

**Presenter:** VACHON, Brigitte (McGill University)

**Session Classification:** Triggering and Data Acquisition

Contribution ID: **50**

Type: **not specified**

## **Dark Matter**

*Friday, August 27, 2010 1:30 PM (1h 15m)*

**Presenter:** POCAR, Andrea (University of Massachusetts)

**Session Classification:** Dark Matter

Contribution ID: 51

Type: **not specified**

## Supersymmetry, 3/4

*Wednesday, August 25, 2010 9:10 AM (1h 15m)*

**Presenter:** LOGAN, Heather (Carleton University)

**Session Classification:** Supersymmetry

Contribution ID: 52

Type: **not specified**

## **Experimental Techniques, 2/3**

*Wednesday, August 25, 2010 10:45 AM (1h 15m)*

**Presenter:** VAN KOOTEN, Rick (Indiana University)

**Session Classification:** Experimental Techniques

Contribution ID: 53

Type: **not specified**

## **Physics Beyond the Standard Model, 2/3**

*Wednesday, August 25, 2010 1:20 PM (1h 10m)*

**Presenter:** LUTY, Markus (UC Davis)

**Session Classification:** Physics Beyond the Standard Model

Contribution ID: 54

Type: **not specified**

## Particle Identification, 2/3

*Wednesday, August 25, 2010 2:30 PM (1h 10m)*

**Presenter:** ULLALAND, Olav (CERN)

**Session Classification:** Particle Identification



Contribution ID: 55

Type: **not specified**

## First Results from ATLAS

*Wednesday, August 25, 2010 4:00 PM (45 minutes)*

**Presenter:** TORRENCE, Eric (University of Oregon)

**Session Classification:** Fermilab Colloquium: First Results from the LHC

Contribution ID: 56

Type: **not specified**

## First Results from CMS

*Wednesday, August 25, 2010 4:45 PM (45 minutes)*

**Presenter:** GREEN, Dan (Fermilab)

**Session Classification:** Fermilab Colloquium: First Results from the LHC

Contribution ID: 57

Type: **not specified**

## Heavy Ion Physics, 1/2

*Thursday, August 26, 2010 10:45 AM (1h 15m)*

**Presenter:** CAINES, Helen (Yale University)

**Session Classification:** Heavy Ion Physics

Contribution ID: 58

Type: **not specified**

## **Experimental Techniques, 3/3**

*Thursday, August 26, 2010 1:30 PM (1h 15m)*

**Presenter:** VAN KOOTEN, Rick (Indiana University)

**Session Classification:** Experimental Techniques

Contribution ID: 59

Type: **not specified**

## **Physics Beyond the Standard Model, 3/3**

*Thursday, August 26, 2010 2:45 PM (1h 15m)*

**Presenter:** LUTY, Markus (UC Davis)

**Session Classification:** Physics Beyond the Standard Model

Contribution ID: **60**

Type: **not specified**

## **Particle Identification, 3/3**

*Thursday, August 26, 2010 6:45 PM (1h 15m)*

**Presenter:** ULLALAND, Olav (CERN)

**Session Classification:** Particle Identification

Contribution ID: **61**

Type: **not specified**

## **Supersymmetry, 4/4**

*Friday, August 27, 2010 9:10 AM (1h 15m)*

**Presenter:** LOGAN, Heather (Carleton University)

**Session Classification:** Supersymmetry

Contribution ID: **62**

Type: **not specified**

## **Heavy Ion Physics, 2/2**

*Friday, August 27, 2010 10:45 AM (1h 15m)*

**Presenter:** CAINES, Helen (Yale University)

**Session Classification:** Heavy Ion Physics



Contribution ID: 63

Type: **not specified**

## **Experimental Techniques, 1/3**

*Tuesday, August 24, 2010 6:45 PM (1h 15m)*

**Presenter:** VAN KOOTEN, Rick (Indiana University)

**Session Classification:** Experimental Techniques

Contribution ID: **64**

Type: **not specified**

## Discussion

*Thursday, August 19, 2010 7:00 PM (1 hour)*

**Presenters:** Dr GAMIZ, Elvira (Fermilab); Dr FOX, Patrick (Fermilab)

**Session Classification:** Parallel Discussions

Contribution ID: 65

Type: **not specified**

## Discussion

*Thursday, August 19, 2010 7:00 PM (1 hour)*

**Presenters:** SHARMA, Seema (Fermilab); JINDARIANI, Sergo (FNAL)

**Session Classification:** Parallel Discussions

Contribution ID: **66**

Type: **not specified**

## Discussion

*Saturday, August 21, 2010 3:45 PM (1 hour)*

**Presenters:** ATRE, Anupama (Fermilab); STAVENGA, Gerben (Fermilab)

**Session Classification:** Parallel Discussions

Contribution ID: 67

Type: **not specified**

## Discussion

*Saturday, August 21, 2010 3:45 PM (1 hour)*

**Presenters:** JAIN, Supriya (SUNY Buffalo); CHETLURU, Vasu (Fermilab)

**Session Classification:** Parallel Discussions

Contribution ID: **68**

Type: **not specified**

## Discussion

*Monday, August 23, 2010 4:20 PM (1 hour)*

**Presenters:** Dr ZWASKA, Bob (Fermilab); YONEHARA, Katsuya (Fermilab)

**Session Classification:** Parallel Discussions

Contribution ID: **69**

Type: **not specified**

## Discussion

*Monday, August 23, 2010 4:20 PM (1 hour)*

**Presenters:** Dr YUMICEVA, Francisco (Fermilab); Dr RUSU, Vadim (FNAL)

**Session Classification:** Parallel Discussions

Contribution ID: 70

Type: **not specified**

## Discussion

*Tuesday, August 24, 2010 4:20 PM (1 hour)*

**Presenters:** TONELLI, Diego (Fermilab); ANDERSON, Jake (Fermilab)

**Session Classification:** Parallel Discussions



Contribution ID: 71

Type: **not specified**

## Discussion

*Tuesday, August 24, 2010 4:20 PM (1 hour)*

**Presenters:** JESIK, Rick (Imperial College); LIU, Ted (Fermilab)

**Session Classification:** Parallel Discussions

Contribution ID: 72

Type: **not specified**

## Discussion

*Thursday, August 26, 2010 4:20 PM (1 hour)*

**Presenters:** MARTIN, Adam (Fermilab); BAI, Yang (Fermilab)

**Session Classification:** Parallel Discussions

Contribution ID: 73

Type: **not specified**

## Discussion

*Thursday, August 26, 2010 4:20 PM (1 hour)*

**Presenters:** CASEY, Brendan (FNAL); PETERS, Krisztian (Manchester)

**Session Classification:** Parallel Discussions

Contribution ID: 74

Type: **not specified**

## Welcoming Address

*Tuesday, August 17, 2010 9:00 AM (10 minutes)*

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

Contribution ID: 75

Type: **not specified**

## Monte Carlo Tool Review

*Monday, August 16, 2010 3:45 PM (45 minutes)*

**Primary author:** WINTER, Jan (Fermilab)

**Presenter:** WINTER, Jan (Fermilab)

**Session Classification:** Panel Discussion of Results

Contribution ID: 76

Type: **not specified**

## Open Discussion

*Monday, August 16, 2010 4:30 PM (45 minutes)*

**Session Classification:** Panel Discussion of Results