

# **40th SLAC Summer Institute**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Historical Perspective

*Monday 23 July 2012 09:00 (1 hour)*

**Presenter:** QUIGG, Chris (Fermi National Accelerator Lab. (Fermilab))

**Session Classification:** Lectures

Contribution ID: 1

Type: **not specified**

## **EWSB Basics (I)**

*Monday 23 July 2012 10:30 (1 hour)*

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

**Session Classification:** Lectures

Contribution ID: 2

Type: **not specified**

## Hadron Collider Environment

*Monday 23 July 2012 11:45 (1 hour)*

**Presenter:** TULLY, Chris (Princeton University (US))

**Session Classification:** Lectures

Contribution ID: 3

Type: **not specified**

## Heavy Flavor Physics Results from LHC

*Monday 23 July 2012 14:45 (40 minutes)*

**Presenter:** TUNING, Niels (NIKHEF (NL))

**Session Classification:** Topical Conference

Contribution ID: 4

Type: **not specified**

## New Results from BaBar

*Monday 23 July 2012 15:30 (30 minutes)*

**Presenter:** ECHENARD, Bertrand (Caltech)

**Session Classification:** Topical Conference

Contribution ID: 5

Type: **not specified**

## **Search for Neutrinoless Double Beta Decay with EXO-200**

*Monday 23 July 2012 16:30 (30 minutes)*

**Presenter:** DOLINSKI, Michelle (Stanford University)

**Session Classification:** Topical Conference

Contribution ID: 6

Type: **not specified**

## Neutrino Mixing Angle Theta13

*Monday 23 July 2012 17:05 (40 minutes)*

**Presenter:** DWYER, Daniel (LBNL)

**Session Classification:** Topical Conference

Contribution ID: 7

Type: **not specified**

## Q & A

*Tuesday 24 July 2012 14:45 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: 8

Type: **not specified**

## Q & A

*Tuesday 24 July 2012 16:30 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: 9

Type: **not specified**

## EWSB Basics (II)

*Tuesday 24 July 2012 09:00 (1 hour)*

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

**Session Classification:** Lectures

Contribution ID: **10**

Type: **not specified**

## Statistics for Discovery (I)

*Tuesday 24 July 2012 10:30 (1 hour)*

**Presenter:** GROSS, Eilam (Weizmann Institute of Science (IL))

**Session Classification:** Lectures

Contribution ID: **11**

Type: **not specified**

## **LHC: The Detectors**

*Tuesday 24 July 2012 11:45 (1 hour)*

**Presenter:** TULLY, Chris (Princeton University (US))

**Session Classification:** Lectures

Contribution ID: **12**

Type: **not specified**

## Poster Social

*Wednesday 25 July 2012 18:00 (1 hour)*

Contribution ID: 13

Type: **not specified**

## Precision Higgs Theory (I)

*Wednesday 25 July 2012 09:00 (1 hour)*

**Presenter:** PETRIELLO, Frank (Northwestern University)

**Session Classification:** Lectures

Contribution ID: 14

Type: **not specified**

## Statistics for Discovery (II)

*Wednesday 25 July 2012 10:30 (1 hour)*

**Presenter:** GROSS, Eilam (Weizmann Institute of Science (IL))

**Session Classification:** Lectures

Contribution ID: 15

Type: **not specified**

## Higgs Searches (I)

*Wednesday 25 July 2012 11:45 (1 hour)*

**Presenter:** Prof. SHARMA, Vivek (Univ. of California San Diego (US))

**Session Classification:** Lectures

Contribution ID: **16**

Type: **not specified**

## Higher Order QCD for LHC

*Wednesday 25 July 2012 14:45 (35 minutes)*

**Presenter:** BERN, Zvi (Univ. of California Los Angeles (US))

**Session Classification:** Topical Conference

Contribution ID: 17

Type: **not specified**

## Higgs Searches at Tevatron

*Wednesday 25 July 2012 15:25 (35 minutes)*

**Presenter:** KNOEPFEL, Kyle (Fermi National Accelerator Laboratory)

**Session Classification:** Topical Conference

Contribution ID: **18**

Type: **not specified**

## Higgs Search at ATLAS

*Wednesday 25 July 2012 16:30 (40 minutes)*

**Presenter:** WU, Sau Lan (University of Wisconsin (US))

**Session Classification:** Topical Conference

Contribution ID: **19**

Type: **not specified**

## Higgs Search at CMS

*Wednesday 25 July 2012 17:15 (40 minutes)*

**Presenter:** Dr BORTOLETTO, Daniela (Purdue University (US))

**Session Classification:** Topical Conference

Contribution ID: **20**

Type: **not specified**

## Q &A

*Thursday 26 July 2012 14:45 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: **21**

Type: **not specified**

## Q &A

*Thursday 26 July 2012 16:30 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: **22**

Type: **not specified**

## Poster Social

*Thursday 26 July 2012 18:00 (1 hour)*

Contribution ID: 23

Type: **not specified**

## BSM Higgs Theory

*Friday 27 July 2012 09:00 (1 hour)*

**Presenter:** CARENA LOPEZ, Marcela (FNAL)

**Session Classification:** Lectures

Contribution ID: 24

Type: **not specified**

## Precision Higgs Theory (III)

*Friday 27 July 2012 10:30 (1 hour)*

**Presenter:** PETRIELLO, Frank (Northwestern University)

**Session Classification:** Lectures

Contribution ID: 25

Type: **not specified**

## Higgs Searches (III)

*Friday 27 July 2012 11:45 (1 hour)*

**Presenter:** Prof. SHARMA, Vivek (Univ. of California San Diego (US))

**Session Classification:** Lectures

Contribution ID: 26

Type: **not specified**

## Precision Higgs Theory (II)

*Thursday 26 July 2012 09:00 (1 hour)*

**Presenter:** PETRIELLO, Frank (Northwestern University)

**Session Classification:** Lectures

Contribution ID: 27

Type: **not specified**

## LHC: The Machine

*Thursday 26 July 2012 10:30 (1 hour)*

**Presenter:** Dr ZIMMERMANN, Frank (CERN)

**Session Classification:** Lectures

Contribution ID: 28

Type: **not specified**

## Higgs Searches (II)

*Thursday 26 July 2012 11:45 (1 hour)*

**Presenter:** Prof. SHARMA, Vivek (Univ. of California San Diego (US))

**Session Classification:** Lectures

Contribution ID: 29

Type: **not specified**

## How the SSI Began

*Friday 27 July 2012 14:15 (35 minutes)*

**Presenter:** Prof. LEITH, David (SLAC)

**Session Classification:** The 40th Anniversary of SSI

Contribution ID: **30**

Type: **not specified**

## 40 Years of QCD

*Friday 27 July 2012 14:50 (35 minutes)*

**Presenter:** Prof. DIXON, LANCE (SLAC National Accelerator Laboratory (US))

**Session Classification:** The 40th Anniversary of SSI

Contribution ID: **31**

Type: **not specified**

## 40 Years of Higgs Boson

*Friday 27 July 2012 15:25 (35 minutes)*

**Presenter:** PESKIN, Michael (SLAC)

**Session Classification:** The 40th Anniversary of SSI

Contribution ID: 32

Type: **not specified**

## The Precision Electroweak Measurements

*Friday 27 July 2012 16:30 (35 minutes)*

**Presenters:** SWARTZ, Morris (Johns Hopkins University (JHU)); SWARTZ, Morris (Johns Hopkins University (US))

**Session Classification:** The 40th Anniversary of SSI

Contribution ID: 33

Type: **not specified**

## 12 Best Reasons to Like CP Violation

*Friday 27 July 2012 17:05 (35 minutes)*

**Presenter:** NIR, Yosef (Weizmann Institute of Science (IL))

**Session Classification:** The 40th Anniversary of SSI

Contribution ID: 34

Type: **not specified**

## Supersymmetry Basics (I)

*Monday 30 July 2012 09:00 (1 hour)*

**Presenter:** HEWETT, JoAnne (SLAC)

**Session Classification:** Lectures

Contribution ID: 35

Type: **not specified**

## Supersymmetry Searches (I)

*Monday 30 July 2012 10:30 (1 hour)*

**Presenter:** PRALAVORIO, Pascal (Universite d'Aix - Marseille II (FR))

**Session Classification:** Lectures

Contribution ID: 36

Type: **not specified**

## The Dark Matter Zoo

*Monday 30 July 2012 11:45 (1 hour)*

**Presenter:** Dr HOOPER, dan (fermilab)

**Session Classification:** Lectures

Contribution ID: 37

Type: **not specified**

## Standard Model Measurements at LHC

*Monday 30 July 2012 14:45 (45 minutes)*

**Presenter:** LE COMPTE, Thomas (Argonne National Laboratory (US))

**Session Classification:** Topical Conference

Contribution ID: **38**

Type: **not specified**

## **Beyond Standard Model Searches at LHC**

*Monday 30 July 2012 15:35 (45 minutes)*

**Presenter:** HEINTZ, Ulrich (Brown University (US))

**Session Classification:** Topical Conference

Contribution ID: 39

Type: **not specified**

## Dark Photon

*Monday 30 July 2012 16:50 (35 minutes)*

**Presenter:** GRAHAM, Mathew Thomas (SLAC National Accelerator Laboratory)

**Session Classification:** Topical Conference

Contribution ID: 40

Type: **not specified**

## **Photon Line from the Galactic Center as Signals of Dark Matter Annihilation**

*Monday 30 July 2012 17:30 (35 minutes)*

**Presenters:** TAIT, Tim (UC Irvine); TAIT, Tim (University of California, Irvine)

**Session Classification:** Topical Conference

Contribution ID: 42

Type: **not specified**

## Supersymmetry Basics (II)

*Tuesday 31 July 2012 09:00 (1 hour)*

**Presenter:** HEWETT, JoAnne (SLAC)

**Session Classification:** Lectures

Contribution ID: 43

Type: **not specified**

## Supersymmetry Searches (II)

*Tuesday 31 July 2012 10:30 (1 hour)*

**Presenter:** PRALAVORIO, Pascal (Universite d'Aix - Marseille II (FR))

**Session Classification:** Lectures

Contribution ID: 44

Type: **not specified**

## Dark Matter Indirect Detection

*Tuesday 31 July 2012 11:45 (1 hour)*

**Presenter:** Dr HOOPER, dan (fermilab)

**Session Classification:** Lectures

Contribution ID: 45

Type: **not specified**

## **Klystron Gallery Tour (Pre-registration required)**

*Tuesday 31 July 2012 13:30 (1 hour)*

Contribution ID: 46

Type: **not specified**

## Q & A

*Tuesday 31 July 2012 14:45 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: 47

Type: **not specified**

## Q&A

*Tuesday 31 July 2012 16:30 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: 48

Type: **not specified**

## The BSM Zoo

*Wednesday 1 August 2012 09:00 (1 hour)*

**Presenter:** RIZZO, Thomas (SLAC)

**Session Classification:** Lectures

Contribution ID: 49

Type: **not specified**

## Implications of Higgs Searches and Discovery (I)

*Wednesday 1 August 2012 10:30 (1 hour)*

**Presenter:** PAPUCCI, Michele (LBNL)

**Session Classification:** Lectures

Contribution ID: 50

Type: **not specified**

## Dark Matter Direct Detection

*Wednesday 1 August 2012 11:45 (1 hour)*

**Presenter:** COLLAR COLMENERO, Juan (Enrico Fermi Institute)

**Session Classification:** Lectures

Contribution ID: 51

Type: **not specified**

## Soccer

*Wednesday 1 August 2012 17:30 (2 hours)*

Contribution ID: 52

Type: **not specified**

## Dark Matter Search with CDMS

*Wednesday 1 August 2012 14:45 (35 minutes)*

**Presenter:** SAAB, Tarek (University of Florida)

**Session Classification:** Topical Conference

Contribution ID: 53

Type: **not specified**

## Dark Matter Search with XENON

*Wednesday 1 August 2012 15:25 (35 minutes)*

**Presenter:** BUDNICK, Ranny (Columbia University)

**Session Classification:** Topical Conference

Contribution ID: 54

Type: **not specified**

## New Results from Fermi

*Wednesday 1 August 2012 16:30 (35 minutes)*

**Presenter:** CHARLES, Eric (SLAC)

**Session Classification:** Topical Conference

Contribution ID: 55

Type: **not specified**

## Implications of Higgs Searches and Discovery (II)

*Thursday 2 August 2012 09:00 (1 hour)*

**Presenter:** PAPUCCI, Michele (LBNL)

**Session Classification:** Lectures

Contribution ID: 56

Type: **not specified**

## LHC Detector Upgrades

*Thursday 2 August 2012 10:30 (1 hour)*

**Presenter:** SU, Dong (SLAC National Accelerator Laboratory (US))

**Session Classification:** Lectures

Contribution ID: 57

Type: **not specified**

## Dark Matter Properties from LHC

*Thursday 2 August 2012 11:45 (1 hour)*

**Presenter:** FOX, Patrick (FNAL)

**Session Classification:** Lectures

Contribution ID: 58

Type: **not specified**

## Q & A

*Thursday 2 August 2012 14:45 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: 59

Type: **not specified**

## Q & A

*Thursday 2 August 2012 16:30 (1h 15m)*

**Session Classification:** Q & A

Contribution ID: **60**

Type: **not specified**

## **Visulization Lab Tour (Pre-registration required)**

*Thursday 2 August 2012 17:00 (30 minutes)*

Contribution ID: **62**

Type: **not specified**

## Vector Boson Scattering

*Friday 3 August 2012 09:00 (1 hour)*

**Presenter:** ZEPPENFELD, Dieter (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** Lectures

Contribution ID: 63

Type: **not specified**

## Higgs at Linear Collider

*Friday 3 August 2012 10:30 (1 hour)*

**Presenter:** BARKLOW, Tim (SLAC National Accelerator Laboratory (US))

**Session Classification:** Lectures

Contribution ID: **64**

Type: **not specified**

## The View Ahead

*Friday 3 August 2012 11:45 (1 hour)*

**Presenter:** LYKKEN, Joseph David (Fermi National Accelerator Lab. (US))

**Session Classification:** Lectures

Contribution ID: **65**

Type: **not specified**

## Session EVO setup

*Friday 3 August 2012 08:00 (30 minutes)*