

# **Design and Optimization of the Silicon Detector for ILC Conference**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcoming Remarks

*Wednesday, 17 September 2008 08:30 (5 minutes)*

**Presenter:** NAUENBERG, Uriel (University of Colorado)

Contribution ID: 1

Type: **not specified**

## Progress in the ILC Program

*Wednesday, 17 September 2008 08:35 (30 minutes)*

**Presenter:** BARISH, Barry (Caltech)

Contribution ID: 2

Type: **not specified**

## **The DOE and ILC Detector R&D**

*Wednesday, 17 September 2008 09:05 (20 minutes)*

**Presenter:** NICHOLSON, Howard (Dept. of Energy)

Contribution ID: 3

Type: **not specified**

## Global Optimization

*Wednesday, 17 September 2008 11:25 (25 minutes)*

**Presenter:** STANITZKI, Marcel (Rutherford Appleton)

Contribution ID: 4

Type: **not specified**

# Break

Contribution ID: 5

Type: **not specified**

## Status of SiD Engineering

*Thursday, 18 September 2008 17:00 (20 minutes)*

**Presenter:** KREMPETZ, Kurt (Fermilab)

Contribution ID: 6

Type: **not specified**

## **Status of Simulation Algorithms and Reconstruction**

*Wednesday, 17 September 2008 11:50 (25 minutes)*

**Presenter:** GRAF, Norman (SLAC)



Contribution ID: 7

Type: **not specified**

## Plans for the LOI

*Wednesday, 17 September 2008 10:55 (30 minutes)*

**Presenter:** AIHARA, Hiro (University of Tokyo)

Contribution ID: 8

Type: **not specified**

## **Lunch (on your own)**

Contribution ID: 9

Type: **not specified**

## Benchmarking Status

*Wednesday, 17 September 2008 14:00 (30 minutes)*

**Presenter:** BARKLOW, Tim (SLAC)

Contribution ID: **10**

Type: **not specified**

## **Status of PFA in SiD**

*Wednesday, 17 September 2008 14:30 (50 minutes)*

**Presenter:** CHARLES, Matthew (University of Iowa)

Contribution ID: **11**

Type: **not specified**

## **LOI requirements & IDAG ( Via WEBEX)**

*Wednesday, 17 September 2008 16:00 (40 minutes)*

**Presenter:** YAMADA, Sakue

Contribution ID: 12

Type: **not specified**

# Break

Contribution ID: 13

Type: **not specified**

## Tracking Simulation

*Wednesday, 17 September 2008 15:20 (30 minutes)*

**Presenter:** PARTRIDGE, Richard (Brown U./SLAC)

Contribution ID: 14

Type: **not specified**

## **Design of the Forward Region and the Effect of the Shape of the Beampipe on the Luminosity Measurement**

*Thursday, 18 September 2008 08:30 (20 minutes)*

**Presenter:** SADEH, Iftach (TelAviv/Zeuthen)



Contribution ID: 15

Type: **not specified**

## **LumiCal Optimization and Design**

*Thursday, 18 September 2008 08:50 (20 minutes)*

**Presenter:** MARUYAMA, Takashi (SLAC)

Contribution ID: 16

Type: **not specified**

## BeamCal Performance Simulation

**Presenter:** NAUENBERG, Uriel (University of Colorado)

Contribution ID: 17

Type: **not specified**

## Status of the Vertex Detector, Engineering

**Presenter:** COOPER, William (Fermilab)

Contribution ID: **18**

Type: **not specified**

## **Status of the ECAL-SiW**

**Presenter:** FREY, Raymond (University of Oregon)

Contribution ID: **19**

Type: **not specified**

## Status of the HCAL

**Presenter:** WHITE, Andrew

Contribution ID: **20**

Type: **not specified**

## The Muon Detector

Contribution ID: 21

Type: **not specified**

# Break

Contribution ID: 22

Type: **not specified**

# Solenoid & Field Return



Contribution ID: 23

Type: **not specified**

# Electronics

Contribution ID: 24

Type: **not specified**

## **Lunch (on your own)**

Contribution ID: 25

Type: **not specified**

## **Breakouts Continued...(see 10:30-13:00 time slot)**

*Thursday, 18 September 2008 14:30 (2 hours)*

Tracking/Vertexing (~12-15ppl) -Duane 11th floor commons room

PFA (~15 ppl) -Duane C223

CAL (~10 ppl) -Duane 9th floor conference room in a.m. / G1B31 for p.m. session

Muon (~5 ppl) -Duane F223

MDI/Forward (~10ppl) -Jila S105E a.m. / S105 p.m.

Benchmarking/Simulation(~8ppl) -Duane D230

Contribution ID: 26

Type: **not specified**

# Break

Contribution ID: 27

Type: **not specified**

# Breakouts

Contribution ID: 28

Type: **not specified**

## Report from the SLUO Meeting

*Friday, 19 September 2008 12:00 (30 minutes)*

**Presenter:** BRAU, Jim (U. Oregon)

Contribution ID: 29

Type: **not specified**

## **LOI PLANNING: Engineering and Global Issues**

*Friday, 19 September 2008 08:30 (20 minutes)*

**Presenter:** ORIUNNO, Marco (SLAC)

Contribution ID: 30

Type: **not specified**

## **Benchmarking - Where do we need to go? What needs to be done to be ready for LOI**



Contribution ID: **31**

Type: **not specified**

## Break

Contribution ID: **32**

Type: **not specified**

## **LOI PLANNING: The SiD Vertex Detector**

*Friday, 19 September 2008 10:00 (30 minutes)*

**Presenter:** LIPTON, Ronald (Fermilab)

Contribution ID: 33

Type: **not specified**

## **LOI PLANNING: The Very Forward Region**

*Friday, 19 September 2008 09:10 (20 minutes)*

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

Contribution ID: **34**

Type: **not specified**

## **LOI PLANNING: Tracking**

*Friday, 19 September 2008 10:30 (30 minutes)*

**Presenter:** COOPER, William (Fermilab)

Contribution ID: 35

Type: **not specified**

## **LOI PLANNING: The ECAL**

*Friday, 19 September 2008 11:00 (30 minutes)*

**Presenter:** FREY, Raymond (University of Oregon)

Contribution ID: **36**

Type: **not specified**

## **Lunch (on your own)**

Contribution ID: 37

Type: **not specified**

## **The HCAL - What needs to be done to be ready for LOI**

Contribution ID: **38**

Type: **not specified**

## **LOI PLANNING: The Muon Detector**

*Friday, 19 September 2008 14:00 (30 minutes)*

**Presenters:** FISK, H. Eugene (Fermilab); BAND, Henry (U. Wisconsin)



Contribution ID: **39**

Type: **not specified**

## **LOI PLANNING: Electronics and DAQ**

*Friday, 19 September 2008 15:00 (30 minutes)*

**Presenter:** HALLER, Gunther (SLAC)

Contribution ID: 40

Type: **not specified**

## Close-Out

*Friday, 19 September 2008 15:30 (15 minutes)*

**Presenter:** WEERTS, Harry (Argonne National Laboratory)

Contribution ID: 41

Type: **not specified**

## The View From the NSF

*Wednesday, 17 September 2008 09:25 (20 minutes)*

**Presenter:** GOLDBERG, Marvin (NSF)

Contribution ID: 42

Type: **not specified**

## Status of the ECAL - MAPS

*Thursday, 18 September 2008 09:10 (20 minutes)*

**Presenter:** DAUNCEY, Paul Dominic (Blackett Lab.High Energy Phys.Group - Imperial College - Univers)

Contribution ID: 43

Type: **not specified**

## Workshop Goals

*Wednesday, 17 September 2008 10:40 (15 minutes)*

**Presenter:** JAROS, John (SLAC)

Contribution ID: 44

Type: **not specified**

## SiD Global Issues

*Wednesday, 17 September 2008 17:15 (30 minutes)*

**Primary author:** BREIDENBACH, Marty (SLAC)

**Presenter:** BREIDENBACH, Marty (SLAC)

Contribution ID: 45

Type: **not specified**

## Dual Read-Out Calorimetry

**Presenter:** PARA, Adam (Fermilab)

Contribution ID: 46

Type: **not specified**

## Dual Read-Out Calorimetry



Contribution ID: 47

Type: **not specified**

## Dual Read-Out Calorimetry

*Thursday, 18 September 2008 09:30 (30 minutes)*

**Presenter:** PARA, Adam (Fermilab)

Contribution ID: 48

Type: **not specified**

## (Breakouts)

Tracking/Vertexing (~12-15ppl) -Duane 11th floor commons room

PFA (~15 ppl) -Duane C223

CAL (~10 ppl) -Duane 9th floor conference room in a.m. / G1B31 for p.m. session

Muon (~5 ppl) -Duane F223

MDI/Forward (~10ppl) -Jila S105E a.m. / S105 p.m.

Benchmarking/Simulation(~8ppl) -Duane D230

Contribution ID: 49

Type: **not specified**

## Discussion on LOI Issues

*Thursday, 18 September 2008 17:20 (30 minutes)*

**Presenter:** AIHARA (CHAIR), Hiro (Tokyo Univ.)

Contribution ID: 50

Type: **not specified**

# PLANNING FOR THE LOI

Contribution ID: 51

Type: **not specified**

## PLANNING FOR THE LOI

Contribution ID: 52

Type: **not specified**

## **LOI PLANNING: Benchmarking**

*Friday, 19 September 2008 08:50 (20 minutes)*

**Presenter:** NOMEROTSKI, Andrei (University of Oxford)

Contribution ID: 53

Type: **not specified**

## **LOI PLANNING: The HCAL**

*Friday, 19 September 2008 11:30 (30 minutes)*

**Presenter:** WHITE, Andrew

Contribution ID: 54

Type: **not specified**

## Registration

*Wednesday, 17 September 2008 07:30 (1 hour)*



Contribution ID: 55

Type: **not specified**

## SiD Solenoid (via Webex)

*Friday, 19 September 2008 14:30 (30 minutes)*

**Presenter:** CRADDOCK, Wesley (SLAC)

Contribution ID: 56

Type: **not specified**

## Physics and Detector Support in Asia and Europe

*Wednesday, 17 September 2008 09:45 (25 minutes)*

**Presenters:** AIHARA, Hiro (Tokyo Univ.); DAUNCEY, Paul Dominic (Blackett Lab.High Energy Phys.Group - Imperial College - Univers); KARYOTAKIS, Yannis (Lab. d'Annecy-le-Vieux de Phys. des Particules (LAPP/IN2P3/CNRS Uni. de Savoie))

Contribution ID: 57

Type: **not specified**

## Update on Virtual Segmentation

*Thursday, 18 September 2008 10:30 (20 minutes)*

**Presenter:** ONOPRIENKO, Dmitry (Kansas State University)

**Session Classification:** Tracking / Vertexing

Contribution ID: 58

Type: **not specified**

## Tracker Layout

*Thursday, 18 September 2008 11:10 (30 minutes)*

**Presenter:** COOPER, William (Fermilab)

**Session Classification:** Tracking / Vertexing

Contribution ID: 59

Type: **not specified**

## 3D Pixel R&D Progress

*Thursday, 18 September 2008 10:50 (20 minutes)*

**Presenter:** Dr LIPTON, Ronald (Fermilab)

**Session Classification:** Tracking / Vertexing

Contribution ID: **60**

Type: **not specified**

## Preparations for the LOI

*Thursday, 18 September 2008 11:40 (1h 20m)*

**Session Classification:** Tracking / Vertexing

Contribution ID: **61**

Type: **not specified**

## **ttbar status**

*Thursday, 18 September 2008 10:30 (20 minutes)*

**Presenter:** Mr DEVETAK, Erik (Oxford Univeristy)

**Session Classification:** Benchmarking and Simulation

Contribution ID: 62

Type: **not specified**

## **ZH -> ccbar nunubar**

*Thursday, 18 September 2008 10:50 (20 minutes)*

**Presenter:** Mr BANDA, yambazi (oxford university)

**Session Classification:** Benchmarking and Simulation



Contribution ID: **63**

Type: **not specified**

## **H->mumu**

*Thursday, 18 September 2008 11:10 (20 minutes)*

**Presenter:** Mr STRUBE, Jan (University of Oregon)

**Session Classification:** Benchmarking and Simulation

Contribution ID: **64**

Type: **not specified**

## **Discussion on simulation requests and Lol plans**

*Thursday, 18 September 2008 11:30 (30 minutes)*

**Session Classification:** Benchmarking and Simulation