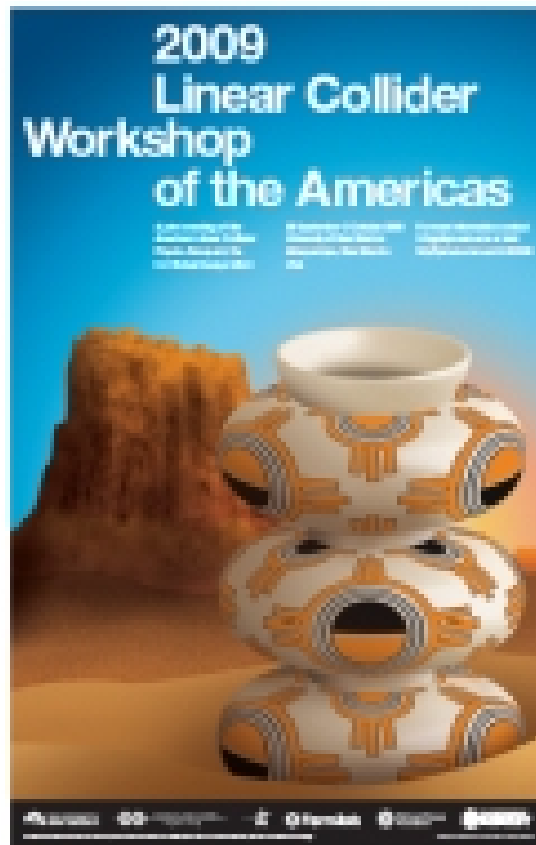


# 2009 Linear Collider Workshop of the Americas



## Report of Contributions

Contribution ID: 0

Type: **not specified**

## Recoil Mass Measurement

*Friday 2 October 2009 16:00 (25 minutes)*

**Presenter:** POESCHL, Roman

**Session Classification:** Benchmarks Plenary

Contribution ID: 1

Type: **not specified**

# Higgs Branching Fraction Measurement

*Friday 2 October 2009 16:25 (25 minutes)*

**Presenter:** Dr TAKUBO, Yosuke (Tohoku University)

**Session Classification:** Benchmarks Plenary

Contribution ID: 2

Type: **not specified**

## Chargino/Neutralino Measurement

*Friday 2 October 2009 16:50 (25 minutes)*

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

**Session Classification:** Benchmarks Plenary

Contribution ID: 3

Type: **not specified**

## Top and tau Measurement

*Friday 2 October 2009 17:15 (25 minutes)*

**Presenter:** Dr BARKLOW, Timothy (SLAC)

**Session Classification:** Benchmarks Plenary

Contribution ID: 4

Type: **not specified**

## W/Z Separation

*Friday 2 October 2009 17:40 (20 minutes)*

**Presenter:** MAZZACANE, Anna (Universita delSalento - INFN Lecce)

**Session Classification:** Benchmarks Plenary

Contribution ID: 5

Type: **not specified**

## Squark and gluino production at the ILC

*Wednesday 30 September 2009 16:00 (30 minutes)*

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

**Session Classification:** Physics Plenary

Contribution ID: 6

Type: **not specified**

## Precision measurements at the ILC

*Wednesday 30 September 2009 16:30 (30 minutes)*

**Presenter:** Prof. STEWART, Iain (MIT)

**Session Classification:** Physics Plenary



Contribution ID: 7

Type: **not specified**

## **(No) Eternal Inflation and Precision Higgs Physics**

*Tuesday 29 September 2009 16:15 (30 minutes)*

**Presenter:** Dr SENATORE, Leonardo (IAS)

**Session Classification:** ALCPG Plenary

Contribution ID: 8

Type: **not specified**

## GDE Report

*Tuesday 29 September 2009 09:05 (40 minutes)*

**Presenter:** Dr BARISH, Barry (Director of the ILC Global Design Effort)

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: 9

Type: **not specified**

## LHC Status

*Tuesday 29 September 2009 09:45 (45 minutes)*

**Presenter:** LEBRUN, Philippe (Member of the CLIC Design Team, formerly Head of the Accelerator Technology Department)

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: **10**

Type: **not specified**

## RD/IDAG Report

*Tuesday 29 September 2009 11:00 (1 hour)*

**Presenters:** DAVIER, Michel (Chair of IDAG, Orsay); YAMADA, Sakue (Research Director for the ILC, KEK)

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: **11**

Type: **not specified**

# **New Dark Matter Models and Implications for the ILC**

*Tuesday 29 September 2009 12:00 (30 minutes)*

**Presenter:** NELSON, Ann (University of Washington)

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: **13**

Type: **not specified**

## Detector R&D

*Tuesday 29 September 2009 14:40 (35 minutes)*

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

**Session Classification:** ALCPG Plenary

Contribution ID: 14

Type: **not specified**

## Rethinking the LHC - ILC Connection

*Tuesday 29 September 2009 14:00 (40 minutes)*

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

**Session Classification:** ALCPG Plenary

Contribution ID: **18**

Type: **not specified**

## Project Management Talk

*Tuesday 29 September 2009 16:15 (30 minutes)*

PM Discussion with the Technical Area Group Leaders to discuss workshop organization, goals and assignments.

**Presenters:** Prof. YAMAMOTO, Akira (High Energy Accelerator Research Organization (KEK)); Dr ROSS, Marc (FNAL); Dr WALKER, Nicholas (DESY)

**Session Classification:** GDE Plenary



Contribution ID: **19**

Type: **not specified**

## **The Spallation Neutron Source Linac: Performance and Operational Experience**

*Tuesday 29 September 2009 14:00 (30 minutes)*

**Presenter:** HENDERSON, Stuart (Director of Research Accelerator Division, ORNL)

**Session Classification:** GDE Plenary

Contribution ID: **20**

Type: **not specified**

## **CLIC status & plans and collaboration with ILC**

*Tuesday 29 September 2009 14:30 (30 minutes)*

**Presenter:** DELAHAYE, Jean-Pierre (CERN, Director - CLIC)

**Session Classification:** GDE Plenary

Contribution ID: 21

Type: **not specified**

## **ITER: Progress, Challenges and Steps Forward for Large International Science Collaborations**

*Tuesday 29 September 2009 15:00 (25 minutes)*

**Presenter:** STRAWBRIDGE, Carl (US ITER Deputy Project Manager, ORNL)

**Session Classification:** GDE Plenary

Contribution ID: 23

Type: **not specified**

## **Status of PFA and potential at higher energies**

*Tuesday 29 September 2009 15:15 (30 minutes)*

**Presenter:** Prof. THOMSON, Mark (University of Cambridge)

**Session Classification:** ALCPG Plenary

Contribution ID: 27

Type: **not specified**

## **New developments in loop calculations and their implications for the LHC and ILC**

*Wednesday 30 September 2009 17:00 (30 minutes)*

**Presenter:** Dr BERGER, Carola F. (MIT, CTP)

**Session Classification:** Physics Plenary

Contribution ID: 28

Type: **not specified**

## **AAP update and future planning**

*Tuesday 29 September 2009 15:25 (20 minutes)*

**Presenter:** Prof. WILLIS, William (Columbia, Co-Chair of the Accelerator Advisory Panel)

**Session Classification:** GDE Plenary

Contribution ID: 29

Type: **not specified**

## Progress Towards the New Baseline for the ILC

*Tuesday 29 September 2009 16:45 (1 hour)*

**Presenter:** Dr WALKER, Nicholas (DESY)

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: **30**

Type: **not specified**

## Welcome

*Tuesday 29 September 2009 09:03 (2 minutes)*

**Presenter:** Dr DOUGHER, Michael (UNM Associate Vice President for Research)

**Session Classification:** ALCPG and GDE Joint Plenary



Contribution ID: 32

Type: **not specified**

## Status of emittance in the DR and EXT

*Thursday 1 October 2009 08:35 (20 minutes)*

**Presenter:** Dr KURODA, Shigeru (KEK)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 33

Type: **not specified**

## **Strategy of ATF2 commissioning in 2009 & Discussion**

*Thursday 1 October 2009 08:55 (1 hour)*

**Presenter:** BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 34

Type: **not specified**

## **Joint: BDS + IR (See IR schedule for links to talks)**

*Wednesday 30 September 2009 13:30 (5 minutes)*

- (1) Impact of Travelling Focus & Strawman Baseline 2009 Changes to MDI – Andrei Seryi
- (2) Progress on Push-Pull IR Studies – Marco Oriunno
- (3) Compact SC Quad Prototype Plans & DID Status – Brett Parker
- (4) QD0/QF1 Design Update – Andy Marone

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 36

Type: **not specified**

## **ATF2 SC FD quad discussions and cryo system**

*Wednesday 30 September 2009 16:05 (40 minutes)*

**Presenter:** Dr PARKER, Brett (BNL)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 37

Type: **not specified**

## **ATF2 detailed presentations/discussions on status of systems**

*Wednesday 30 September 2009 10:30 (5 minutes)*

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **38**

Type: **not specified**

## **BDS presentations/discussions on systems status**

*Thursday 1 October 2009 10:30 (5 minutes)*

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 39

Type: **not specified**

## **Joint: BDS + Beam Instrumentations**

*Thursday 1 October 2009 16:00 (5 minutes)*

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 41

Type: **not specified**

## **BDS + invited GG team**

*Friday 2 October 2009 08:30 (5 minutes)*

**Session Classification:** GDE: Beam Delivery System



Contribution ID: 42

Type: **not specified**

## Photon Collider Laser Design

*Friday 2 October 2009 08:35 (30 minutes)*

**Presenters:** STUART, Brent (LLNL); Dr GRONBERG, Jeff (LLNL)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 43

Type: **not specified**

## Joint: BDS + IR

*Friday 2 October 2009 10:30 (1h 20m)*

- (1) Vibration analysis of the ILD QD0-support system Hiroshi Yamaoka
- (2) Vibration Studies for SiD Marco Oriunno
- (3) Recent Vibration Measurements (TBC)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 44

Type: **not specified**

## **Joint session with Beam Dynamics & IR (See IR agenda for links to talks)**

*Friday 2 October 2009 13:30 (5 minutes)*

- (1) IP Feedback System Prototyping and Design, Phil Burrows
- (2) Expected Performance of IP FB System at ILC, Glen White
- (3) Vacuum requirements in the detector region from Beam Gas and other considerations, Takashi Maruyama
- (4) Update on vacuum modelling, Oleg Maleshev

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 45

Type: **not specified**

## Introduction and Status of Fermilab test beam facility

*Wednesday 30 September 2009 08:30 (20 minutes)*

**Author:** Dr RAMBERG, Erik (Fermi National Accelerator Laboratory)

**Presenter:** Dr RAMBERG, Erik (Fermi National Accelerator Laboratory)

**Session Classification:** Detectors: Test Beams

Contribution ID: 46

Type: **not specified**

## Proposal for a SLAC end station test beam

*Wednesday 30 September 2009 08:50 (15 minutes)*

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

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

**Session Classification:** Detectors: Test Beams

Contribution ID: 47

Type: **not specified**

## Status of Asian test beam facilities

*Wednesday 30 September 2009 09:05 (15 minutes)*

**Author:** KOTERA, Katsushige (Shinshu University, Faculty of Science,)

**Presenter:** KOTERA, Katsushige (Shinshu University, Faculty of Science,)

**Session Classification:** Detectors: Test Beams

Contribution ID: 48

Type: **not specified**

## European test beam facilities

*Wednesday 30 September 2009 09:20 (15 minutes)*

**Author:** Dr RAMBERG, Erik (Fermi National Accelerator Laboratory)

**Presenter:** Dr RAMBERG, Erik (Fermi National Accelerator Laboratory)

**Session Classification:** Detectors: Test Beams

Contribution ID: 49

Type: **not specified**

## 2nd ILC Test Beam Workshop information

*Thursday 1 October 2009 14:50 (10 minutes)*

**Author:** POESCHL, Roman

**Presenter:** POESCHL, Roman

**Session Classification:** Detectors: Test Beams



Contribution ID: 50

Type: **not specified**

## Vertex Detector Test Beam Issues

*Thursday 1 October 2009 13:30 (20 minutes)*

**Author:** MARINAS, carlos (valencia)

**Presenter:** MARINAS, carlos (valencia)

**Session Classification:** Detectors: Test Beams

Contribution ID: 51

Type: **not specified**

## Tracking Detector Plans for Test Beam

*Thursday 1 October 2009 13:50 (20 minutes)*

**Author:** Dr SETTLES, Ron (Max-Planck-Institut fuer Physik)

**Presenter:** Dr SETTLES, Ron (Max-Planck-Institut fuer Physik)

**Session Classification:** Detectors: Test Beams

Contribution ID: 52

Type: **not specified**

## ILC Calorimetry in Test Beams

*Thursday 1 October 2009 14:10 (20 minutes)*

**Author:** Dr XIA, Lei (Argonne National Laboratory)

**Presenter:** Dr XIA, Lei (Argonne National Laboratory)

**Session Classification:** Detectors: Test Beams

Contribution ID: 53

Type: **not specified**

## Muon Detector Test Beam Plans

*Thursday 1 October 2009 14:30 (20 minutes)*

**Author:** Dr RUBINOV, Paul (Fermilab)

**Co-author:** Dr RAMBERG, Erik (Fermi National Accelerator Laboratory)

**Presenter:** Dr RUBINOV, Paul (Fermilab)

**Session Classification:** Detectors: Test Beams

Contribution ID: 54

Type: **not specified**

## ATF and Beamline Instrumentation Testing Plans

*Wednesday 30 September 2009 09:35 (15 minutes)*

**Author:** TERUNUMA, Nobuhiro (KEK)

**Presenter:** TERUNUMA, Nobuhiro (KEK)

**Session Classification:** Detectors: Test Beams

Contribution ID: 55

Type: **not specified**

## **Design of the RTML Extraction Line for Single Stage Bunch Compressor**

*Thursday 1 October 2009 08:30 (25 minutes)*

**Presenter:** SELETSKIY, Sergei

**Session Classification:** GDE: Beam Dynamics

Contribution ID: 56

Type: **not specified**

## Simulations of Bunch Compressors

*Thursday 1 October 2009 08:55 (25 minutes)*

**Presenter:** LATINA, Andrea

**Session Classification:** GDE: Beam Dynamics

Contribution ID: 57

Type: **not specified**

## Reference network simulations (webex)

*Thursday 1 October 2009 09:20 (25 minutes)*

**Presenter:** Mr DALE, John (University of Oxford)

**Session Classification:** GDE: Beam Dynamics



Contribution ID: 58

Type: **not specified**

## **Proposal of cryogenics system for the SC FD quad at ATF2, Nobuhiro Kimura (KEK)**

*Wednesday 30 September 2009 16:45 (30 minutes)*

**Presenter:** Dr KIMURA, Nobuhiro (Cryogenics Science Center / KEK)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 59

Type: **not specified**

## Report from the Software Common Task Group

*Wednesday 30 September 2009 10:30 (20 minutes)*

**Presenter:** MIYAMOTO, Akiya (KEK)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **60**

Type: **not specified**

## **ILD software: Status & Overview**

*Wednesday 30 September 2009 10:50 (20 minutes)*

**Presenter:** GAEDE, Frank (DESY)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **61**

Type: **not specified**

## **slic & org.lcsim: Recent Developments**

*Wednesday 30 September 2009 11:10 (20 minutes)*

**Presenter:** MCCORMICK, Jeremy (SLAC)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **62**

Type: **not specified**

## **CLIC Simulation Software: Overview and Plans**

*Wednesday 30 September 2009 11:30 (20 minutes)*

**Presenter:** Mr GREFE, Christian (CERN, Bonn University)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **63**

Type: **not specified**

## **ILD LOI Benchmark simulation and reconstruction**

*Wednesday 30 September 2009 13:30 (20 minutes)*

**Presenter:** Dr APLIN, Steve (DESY)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **64**

Type: **not specified**

## **SiD LOI Benchmark simulation and reconstruction**

*Wednesday 30 September 2009 13:50 (20 minutes)*

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

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 65

Type: **not specified**

## SiD on the Grid

*Wednesday 30 September 2009 14:10 (20 minutes)*

**Presenter:** Dr STRUBE, Jan (Rutherford Appleton Laboratory)

**Session Classification:** Detectors: Simulation and Reconstruction



Contribution ID: **66**

Type: **not specified**

## **Lepton ID in the SiD LOI benchmarking**

*Wednesday 30 September 2009 14:30 (20 minutes)*

**Presenter:** CASSELL, Ron (SLAC)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 67

Type: **not specified**

## Status of the Physics Analyses of the 4th Concept

*Wednesday 30 September 2009 14:50 (20 minutes)*

**Presenter:** Dr GATTO, Corrado (INFN)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **68**

Type: **not specified**

## **Beam backgrounds: Simulation & Effects on Reconstruction**

*Friday 2 October 2009 13:30 (20 minutes)*

**Presenter:** Dr WICHMANN, Katarzyna (DESY)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **69**

Type: **not specified**

## **SiD Tracking and Calorimeter Simulation and Reconstruction**

*Friday 2 October 2009 13:50 (20 minutes)*

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

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 70

Type: **not specified**

## SiD Tracking in the LOI and future plans

*Friday 2 October 2009 14:10 (15 minutes)*

**Presenter:** PARTRIDGE, Richard (SLAC)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 71

Type: **not specified**

## Status and Plans of the SiD(/Iowa) PFA

*Friday 2 October 2009 09:30 (15 minutes)*

**Presenter:** MALLIK, Usha (U. Iowa)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 72

Type: **not specified**

## HCAL and PFA

*Friday 2 October 2009 09:45 (15 minutes)*

**Presenter:** Dr COWAN, Ray (M.I.T.)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 74

Type: **not specified**

## **Simulation study of a hadronic calorimeter with various absorber materials**

*Friday 2 October 2009 08:30 (20 minutes)*

**Presenter:** BLAHA, Jan (lapp-Laboratoire d'Annecy-le-Vieux de Physique des Particules-In)

**Session Classification:** Detectors: Simulation and Reconstruction



Contribution ID: 76

Type: **not specified**

## **Towards Jet Specific Energy Resolution: Investigating $\pi^0$ Kinematic Fits**

*Friday 2 October 2009 08:50 (20 minutes)*

**Presenter:** Dr WILSON, Graham (KU)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 77

Type: **not specified**

## **Implementing a dual readout calorimeter in SLIC and testing Geant4 Physics**

*Friday 2 October 2009 14:25 (20 minutes)*

**Presenter:** Dr WENZEL, Hans (FNAL)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 78

Type: **not specified**

## Implementing Dual Readout in ILCroot

*Friday 2 October 2009 14:45 (20 minutes)*

**Presenter:** Mr DI BENEDETTO, Vito (University del Salento - INFN LE)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: 79

Type: **not specified**

## **Accelerator Design and Integration Goals for ALCPG09**

*Wednesday 30 September 2009 08:30 (20 minutes)*

**Author:** Dr WALKER, Nicholas (DESY)

**Co-author:** Dr ROSS, Marc (FNAL)

**Presenter:** PATERSON, Ewan (SLAC)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: **80**

Type: **not specified**

## Availability Task Force Report

*Wednesday 30 September 2009 08:50 (35 minutes)*

**Presenter:** Prof. HIMEL, Thomas (SLAC)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: **81**

Type: **not specified**

## **Tunnel Life Safety and Egress**

*Wednesday 30 September 2009 09:25 (35 minutes)*

**Presenter:** Mr KUCHLER, Victor (Fermilab)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: **82**

Type: **not specified**

## Sources Report

*Saturday 3 October 2009 08:30 (10 minutes)*

**Presenter:** Prof. CLARKE, Jim (STFC Daresbury Lab)

**Session Classification:** GDE Plenary

Contribution ID: **83**

Type: **not specified**

## Damping Ring Report

*Saturday 3 October 2009 08:40 (10 minutes)*

**Session Classification:** GDE Plenary



Contribution ID: **84**

Type: **not specified**

## Main Linac Report

*Saturday 3 October 2009 08:50 (20 minutes)*

**Presenter:** ADOLPHSEN, Chris (SLAC)

**Session Classification:** GDE Plenary

Contribution ID: 85

Type: **not specified**

## Beam Delivery System Report

*Saturday 3 October 2009 09:10 (10 minutes)*

**Presenter:** Dr SERYI, Andrei (SLAC)

**Session Classification:** GDE Plenary

Contribution ID: **86**

Type: **not specified**

## Beam Dynamics Report

*Saturday 3 October 2009 09:20 (10 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** GDE Plenary

Contribution ID: **87**

Type: **not specified**

## CFS Report

*Saturday 3 October 2009 09:30 (20 minutes)*

**Presenter:** Mr KUCHLER, Victor (Fermilab)

**Session Classification:** GDE Plenary

Contribution ID: **88**

Type: **not specified**

## Cost Management Report

*Saturday 3 October 2009 09:50 (10 minutes)*

**Presenter:** GARBINCIUS, Peter (FNAL)

**Session Classification:** GDE Plenary

Contribution ID: **89**

Type: **not specified**

## Electron source status

*Wednesday 30 September 2009 13:30 (20 minutes)*

**Author:** BRACHMANN, Axel (SLAC)

**Presenter:** BRACHMANN, Axel (SLAC)

**Session Classification:** GDE: Sources

Contribution ID: **90**

Type: **not specified**

## **Polarized photocathodes**

*Wednesday 30 September 2009 13:50 (20 minutes)*

**Author:** Dr ZHOU, Feng (SLAC)

**Presenter:** Dr ZHOU, Feng (SLAC)

**Session Classification:** GDE: Sources

Contribution ID: **91**

Type: **not specified**

## **CLIC electron source experiments**

*Wednesday 30 September 2009 14:10 (20 minutes)*

**Presenter:** Dr SHEPPARD, John (SLAC)

**Session Classification:** GDE: Sources



Contribution ID: **92**

Type: **not specified**

## Options for low energy spin manipulation

*Wednesday 30 September 2009 14:30 (20 minutes)*

**Presenter:** Dr MOFFEIT, Kenneth (SLAC)

**Session Classification:** GDE: Sources

Contribution ID: 93

Type: **not specified**

## **Baseline target experiment update (via webex)**

*Wednesday 30 September 2009 14:50 (20 minutes)*

**Presenter:** Dr BAILEY, Ian (Cockcroft Institute/ University of Liverpool)

**Session Classification:** GDE: Sources

Contribution ID: 94

Type: **not specified**

## Parameter options for undulator at end of linac

*Wednesday 30 September 2009 16:00 (20 minutes)*

**Presenter:** Dr GAI, Wei (ANL)

**Session Classification:** GDE: Sources

Contribution ID: 95

Type: **not specified**

## Flux concentrator studies

*Wednesday 30 September 2009 16:20 (20 minutes)*

**Presenter:** PIGGOTT, Tom (Lawrence Livermore National Laboratory)

**Session Classification:** GDE: Sources

Contribution ID: **96**

Type: **not specified**

## **Li lens studies**

*Wednesday 30 September 2009 16:40 (20 minutes)*

**Presenter:** Dr MIKHAILICHENKO, Alexander (Cornell University)

**Session Classification:** GDE: Sources

Contribution ID: 97

Type: **not specified**

## Target shielding studies (via Webex)

*Thursday 1 October 2009 10:30 (20 minutes)*

**Presenter:** Dr USHAKOV, Andriy (DESY Zeuthen)

**Session Classification:** GDE: Sources

Contribution ID: **98**

Type: **not specified**

## **Engineering layout of the source & central region**

*Thursday 1 October 2009 11:10 (30 minutes)*

**Presenter:** Mr COLLOMB, Norbert (STFC)

**Session Classification:** GDE: Sources

Contribution ID: 99

Type: **not specified**

## **Simulation of liquid lead target for the undulator scheme**

*Thursday 1 October 2009 14:20 (20 minutes)*

**Presenter:** Dr GAI, Wei (ANL)

**Session Classification:** GDE: Sources



Contribution ID: **100**

Type: **not specified**

## **300 Hz source update and KEK beam tests**

*Thursday 1 October 2009 13:30 (30 minutes)*

**Presenter:** Dr OMORI, tsunehiko (KEK)

**Session Classification:** GDE: Sources

Contribution ID: **101**

Type: **not specified**

## **Compton cavity R&D update**

*Thursday 1 October 2009 14:00 (20 minutes)*

**Presenter:** Dr TAKAHASHI, Tohru Takahashi (Hiroshima University)

**Session Classification:** GDE: Sources

Contribution ID: **102**

Type: **not specified**

## Banquet

*Friday 2 October 2009 19:00 (3 hours)*

Contribution ID: **103**

Type: **not specified**

## **Dispersion Matching Steering Steering with BPM scale error**

*Thursday 1 October 2009 09:45 (15 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** GDE: Beam Dynamics

Contribution ID: **104**

Type: **not specified**

## Introduction

*Wednesday 30 September 2009 13:30 (10 minutes)*

**Presenter:** Dr GUIDUCCI, Susanna (INFN)

**Session Classification:** GDE: Damping Ring

Contribution ID: **105**

Type: **not specified**

## RDR Lattice Update

*Wednesday 30 September 2009 13:40 (30 minutes)*

**Presenter:** KOROSTELEV, Maxim (Unknown)

**Session Classification:** GDE: Damping Ring

Contribution ID: **106**

Type: **not specified**

## Status of ATF Fast Kicker Experiment

*Wednesday 30 September 2009 14:10 (30 minutes)*

**Presenter:** Prof. URAKAWA, Junji (KEK)

**Session Classification:** GDE: Damping Ring

Contribution ID: **107**

Type: **not specified**

## **Introduction & SLAC update**

*Thursday 1 October 2009 08:30 (25 minutes)*

**Presenter:** Dr PIVI, Mauro (SLAC)

**Session Classification:** GDE: Damping Ring



Contribution ID: **108**

Type: **not specified**

## **KEKB e-cloud R&D Update**

*Thursday 1 October 2009 08:55 (20 minutes)*

**Presenter:** Dr SUETSUGU, Yusuke (KEK)

**Session Classification:** GDE: Damping Ring

Contribution ID: **109**

Type: **not specified**

## **FNAL e-cloud R&D Update**

*Thursday 1 October 2009 09:15 (20 minutes)*

**Presenter:** Dr ZWASKA, Robert (Fermilab)

**Session Classification:** GDE: Damping Ring

Contribution ID: **110**

Type: **not specified**

## **Fast Ion Instability Studies at ATF**

*Thursday 1 October 2009 10:30 (20 minutes)*

**Presenter:** TERUNUMA, Nobuhiro (KEK)

**Session Classification:** GDE: Damping Ring

Contribution ID: **111**

Type: **not specified**

## **LBNL update and TE Wave**

*Thursday 1 October 2009 10:50 (20 minutes)*

**Author:** Dr DE SANTIS, Stefano (LBNL - CBP)

**Presenter:** Dr DE SANTIS, Stefano (LBNL - CBP)

**Session Classification:** GDE: Damping Ring

Contribution ID: **112**

Type: **not specified**

## INFN e-cloud R&D Update

*Thursday 1 October 2009 09:55 (20 minutes)*

**Presenter:** DEMMA, Theo (INFN-LNF)

**Session Classification:** GDE: Damping Ring

Contribution ID: **113**

Type: **not specified**

## **CERN R&D e-cloud Update (Tbd)**

*Thursday 1 October 2009 09:35 (20 minutes)*

**Session Classification:** GDE: Damping Ring

Contribution ID: **114**

Type: **not specified**

## CesrTA Status

*Thursday 1 October 2009 13:30 (20 minutes)*

**Presenter:** Dr PALMER, Mark (Cornell University LEPP)

**Session Classification:** GDE: Damping Ring

Contribution ID: **115**

Type: **not specified**

## **CesrTA EC Simulations**

*Thursday 1 October 2009 13:50 (40 minutes)*

**Presenter:** DUGAN, Gerald (Cornell University)

**Session Classification:** GDE: Damping Ring



Contribution ID: **116**

Type: **not specified**

## Mitigation Studies

*Thursday 1 October 2009 14:30 (20 minutes)*

**Presenter:** CALVEY, Joseph (Cornell University)

**Session Classification:** GDE: Damping Ring

Contribution ID: **117**

Type: **not specified**

## **CesrTA Planning Discussion, All**

*Thursday 1 October 2009 14:50 (20 minutes)*

**Session Classification:** GDE: Damping Ring

Contribution ID: **118**

Type: **not specified**

## **e-cloud WG Assessment and Plans, All**

*Thursday 1 October 2009 15:10 (20 minutes)*

**Session Classification:** GDE: Damping Ring

Contribution ID: **119**

Type: **not specified**

## **SB2009 lattice update**

*Thursday 1 October 2009 16:00 (20 minutes)*

**Authors:** BIAGINI, Maria Enrica (INFN-LNF); Dr GUIDUCCI, Susanna (INFN-LNF)

**Presenter:** Dr GUIDUCCI, Susanna (INFN-LNF)

**Session Classification:** GDE: Damping Ring

Contribution ID: **120**

Type: **not specified**

## **DR Layout and Mechanical Design**

*Thursday 1 October 2009 16:20 (30 minutes)*

**Presenter:** Mr COLLOMB, Norbert (STFC)

**Session Classification:** GDE: Damping Ring

Contribution ID: **121**

Type: **not specified**

## **Plans for risk assessment, technical design, cost evaluation, All**

*Thursday 1 October 2009 16:50 (30 minutes)*

**Session Classification:** GDE: Damping Ring

Contribution ID: **122**

Type: **not specified**

## **CesrTA LET results**

*Friday 2 October 2009 08:30 (30 minutes)*

**Presenter:** BILLING, Mike (LEPP)

**Session Classification:** GDE: Damping Ring

Contribution ID: **123**

Type: **not specified**

## **CesrTA LET Instrumentation**

*Friday 2 October 2009 09:00 (30 minutes)*

**Presenter:** Dr PETERSON, Daniel (Cornell)

**Session Classification:** GDE: Damping Ring



Contribution ID: **124**

Type: **not specified**

## **ATF plans in emittance tuning**

*Friday 2 October 2009 09:30 (30 minutes)*

**Presenter:** Dr KURODA, Shigeru (KEK)

**Session Classification:** GDE: Damping Ring

Contribution ID: **125**

Type: **not specified**

## **BPMs update at ATF DR**

*Friday 2 October 2009 10:30 (20 minutes)*

**Presenter:** Mr WENDT, Manfred (Fermilab)

**Session Classification:** GDE: Damping Ring

Contribution ID: **126**

Type: **not specified**

## CLIC Damping Ring Update

*Friday 2 October 2009 10:50 (30 minutes)*

**Presenter:** PAPAPHILIPPOU, Yannis

**Session Classification:** GDE: Damping Ring

Contribution ID: **127**

Type: **not specified**

## Opening Remarks

*Tuesday 29 September 2009 09:00 (3 minutes)*

**Presenter:** SEIDEL, Sally (University of New Mexico, Chair - Organizing Committee)

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: **128**

Type: **not specified**

## **GDE Summary and Future Plans**

*Saturday 3 October 2009 10:30 (45 minutes)*

**Presenter:** Dr ROSS, Marc (FNAL)

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: **129**

Type: **not specified**

## **The Path Forward- Realizing the Linear Collider Detectors**

*Saturday 3 October 2009 11:15 (30 minutes)*

**Presenter:** DEMARTEAU, Marcel (Fermi National Accelerator Laboratory (FNAL))

**Session Classification:** ALCPG and GDE Joint Plenary

Contribution ID: **130**

Type: **not specified**

## **Post Validation: SiD's Next Steps**

*Thursday 1 October 2009 08:30 (20 minutes)*

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

**Session Classification:** Detectors: SiD Working Group

Contribution ID: **131**

Type: **not specified**

## **Q & A with the Research Director and IDAG Chair**

*Thursday 1 October 2009 08:50 (30 minutes)*

**Presenters:** DAVIER, Michel; YAMADA, Sakue

**Session Classification:** Detectors: SiD Working Group



Contribution ID: **132**

Type: **not specified**

## **SiD's R&D Plan and Opportunities for New Collaborators**

*Thursday 1 October 2009 09:20 (40 minutes)*

**Presenter:** WHITE, Andy (UT Arlington)

**Session Classification:** Detectors: SiD Working Group

Contribution ID: **134**

Type: **not specified**

## **SiD benchmarking analyses with b/c tagging**

*Thursday 1 October 2009 16:00 (20 minutes)*

**Presenter:** Dr LASTOVICKA, Tomas (University of Oxford)

**Session Classification:** Physics: b/c separation and tau tagging

Contribution ID: 135

Type: **not specified**

## ZHH analysis with ILD

*Thursday 1 October 2009 16:20 (20 minutes)*

**Presenter:** Dr TAKUBO, Yosuke (Tohoku University)

**Session Classification:** Physics: b/c separation and tau tagging

Contribution ID: **136**

Type: **not specified**

## **ZH→ $\nu\nu$ H with ILD**

*Thursday 1 October 2009 16:40 (20 minutes)*

**Presenter:** YOSHIDA, Kohei (Tohoku University)

**Session Classification:** Physics: b/c separation and tau tagging

Contribution ID: **137**

Type: **not specified**

## SiD Sim/Recon Plans

*Thursday 1 October 2009 10:30 (20 minutes)*

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

**Session Classification:** Detectors: SiD Working Group

Contribution ID: **138**

Type: **not specified**

## Support Needed for SiD

*Thursday 1 October 2009 10:50 (20 minutes)*

**Presenter:** WEERTS, Harry (ANL)

**Session Classification:** Detectors: SiD Working Group

Contribution ID: **139**

Type: **not specified**

## **CLIC Studies and SiD'**

*Thursday 1 October 2009 11:10 (30 minutes)*

**Presenter:** LINSSEN, Lucie (CERN)

**Session Classification:** Detectors: SiD Working Group

Contribution ID: **140**

Type: **not specified**

## Open Discussion: SiD's Future

*Thursday 1 October 2009 11:40 (20 minutes)*

**Presenters:** WEERTS, Harry (ANL); JAROS, John (SLAC)

**Session Classification:** Detectors: SiD Working Group



Contribution ID: **141**

Type: **not specified**

## **The CLIC/ILC common work plan progress (via Webex)**

*Thursday 1 October 2009 10:50 (20 minutes)*

**Presenter:** Dr RINOLFI, Louis (CERN)

**Session Classification:** GDE: Sources

Contribution ID: **142**

Type: **not specified**

## **Tau-pair analysis in the ILD detector**

*Thursday 1 October 2009 17:00 (20 minutes)*

**Presenter:** Dr SUEHARA, Taikan (The University of Tokyo)

**Session Classification:** Physics: b/c separation and tau tagging

Contribution ID: **143**

Type: **not specified**

## **XFEL cavity production plan**

*Wednesday 30 September 2009 10:30 (15 minutes)*

**Presenter:** Dr WEISE, Hans (DESY)

**Session Classification:** GDE: Main Linac

Contribution ID: 144

Type: **not specified**

## Plan of STF cavity production test plant

*Wednesday 30 September 2009 10:45 (15 minutes)*

**Presenter:** YAMAGUCHI, Seiya (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: 145

Type: **not specified**

## US plans for cavity production

*Wednesday 30 September 2009 11:00 (15 minutes)*

**Presenter:** KEPHART, Bob (FNAL)

**Session Classification:** GDE: Main Linac

Contribution ID: **146**

Type: **not specified**

## **KEK Application of HPV code regulation**

*Wednesday 30 September 2009 11:15 (15 minutes)*

**Presenter:** KAKO, Eiji (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: 147

Type: **not specified**

## **"Cavity, Cryomodule and SRF Infrastructure Development in India for future SRF Linac"**

*Wednesday 30 September 2009 11:30 (10 minutes)*

**Presenters:** Dr MISHRA, Shekhar (FNAL); SAHNI, Vinod

**Session Classification:** GDE: Main Linac

Contribution ID: 148

Type: **not specified**

## **Review plug-compatible boundary and specifications, decide boundary of input-coupler**

*Wednesday 30 September 2009 11:40 (20 minutes)*

**Presenter:** HAYANO, Hitoshi (KEK)

**Session Classification:** GDE: Main Linac



Contribution ID: **149**

Type: **not specified**

## **S1G cryomodule construction status report(Module A,C)**

*Wednesday 30 September 2009 13:30 (30 minutes)*

**Presenter:** Dr OHUCHI, Norihito (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **150**

Type: **not specified**

## **S1G cryomodule component list**

*Wednesday 30 September 2009 14:00 (15 minutes)*

**Presenter:** Dr OHUCHI, Norihito (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **151**

Type: **not specified**

## **KEK cavity preparation for S1G**

*Wednesday 30 September 2009 14:15 (15 minutes)*

**Presenter:** KAKO, Eiji (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **152**

Type: **not specified**

## **FNAL cavity preparation for S1G**

*Wednesday 30 September 2009 14:30 (15 minutes)*

**Presenter:** KERBY, Jim (Fermi National Accelerator Lab. (Fermilab))

**Session Classification:** GDE: Main Linac

Contribution ID: **153**

Type: **not specified**

## **DESY cavity preparation for S1G**

*Wednesday 30 September 2009 14:45 (15 minutes)*

**Presenter:** Dr KOSTIN, Denis (DESY)

**Session Classification:** GDE: Main Linac

Contribution ID: **154**

Type: **not specified**

## Discussion

*Wednesday 30 September 2009 15:00 (30 minutes)*

**Session Classification:** GDE: Main Linac

Contribution ID: **155**

Type: **not specified**

## **S1G cryomodule test schedule (in general)**

*Wednesday 30 September 2009 16:00 (20 minutes)*

**Presenter:** HAYANO, Hitoshi (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **156**

Type: **not specified**

## **S1G cryomodule cavity test items (in detail)**

*Wednesday 30 September 2009 16:20 (20 minutes)*

**Presenter:** KAKO, Eiji (KEK)

**Session Classification:** GDE: Main Linac



Contribution ID: **157**

Type: **not specified**

## **S1G cryomodule thermal test item (in detail)**

*Wednesday 30 September 2009 16:40 (20 minutes)*

**Presenter:** Dr OHUCHI, Norihito (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **158**

Type: **not specified**

## **HLRF plan for S1-Global in KEK**

*Wednesday 30 September 2009 17:00 (20 minutes)*

**Presenter:** Dr FUKUDA, Shigeki (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **159**

Type: **not specified**

## Discussion

*Wednesday 30 September 2009 17:20 (10 minutes)*

**Session Classification:** GDE: Main Linac

Contribution ID: **160**

Type: **not specified**

## **RTML Extraction Line Design for Single Bunch Compressor**

*Thursday 1 October 2009 08:30 (20 minutes)*

**Presenter:** Dr SELETSKIY, Sergei (ILC)

**Session Classification:** GDE: Main Linac

Contribution ID: **161**

Type: **not specified**

## **Bunch Compressor Simulations**

*Thursday 1 October 2009 08:50 (20 minutes)*

**Presenter:** Dr LATINA, Andrea (CERN)

**Session Classification:** GDE: Main Linac

Contribution ID: **162**

Type: **not specified**

## Reference network simulations

*Thursday 1 October 2009 09:10 (20 minutes)*

**Presenter:** Mr DALE, John (University of Oxford / JAI)

**Session Classification:** GDE: Main Linac

Contribution ID: **163**

Type: **not specified**

## **DFS with BPM scale error**

*Thursday 1 October 2009 09:30 (20 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **164**

Type: **not specified**

## **Cooled quadrupole activity in FY10**

*Thursday 1 October 2009 10:30 (15 minutes)*

**Presenter:** KASHIKHIN, Vladimir

**Session Classification:** GDE: Main Linac



Contribution ID: **165**

Type: **not specified**

## **Progress on the FNAL CM BPM**

*Thursday 1 October 2009 10:45 (10 minutes)*

**Presenter:** Mr WENDT, Manfred (Fermilab)

**Session Classification:** GDE: Main Linac

Contribution ID: **166**

Type: **not specified**

## **Latest results on cavity gradient stability at TTF**

*Thursday 1 October 2009 10:55 (15 minutes)*

**Presenter:** Dr PEI, Shilun (SLAC)

**Session Classification:** GDE: Main Linac

Contribution ID: **167**

Type: **not specified**

## **Results from the 9 mA studies at TTF**

*Thursday 1 October 2009 11:10 (50 minutes)*

**Presenter:** Mr CARWARDINE, John (Argonne)

**Session Classification:** GDE: Main Linac

Contribution ID: **169**

Type: **not specified**

## SiD Beamcal Simulations

*Friday 2 October 2009 09:10 (20 minutes)*

**Presenter:** Mr OLEINIK, Gleb (University of Colorado, Boulder)

**Session Classification:** Detectors: Simulation and Reconstruction

Contribution ID: **170**

Type: **not specified**

# **DESY cavities inspection, processing, testing and plan**

*Thursday 1 October 2009 13:30 (20 minutes)*

**Presenter:** MOELLER, Wolf-Dietrich

**Session Classification:** GDE: Main Linac

Contribution ID: 171

Type: **not specified**

## Large-grain cavity progress

*Thursday 1 October 2009 13:50 (10 minutes)*

**Presenter:** SINGER, Waldemar

**Session Classification:** GDE: Main Linac

Contribution ID: 172

Type: **not specified**

## **ANL/FNAL EP/HPR facility and cavity processing status and plan**

*Thursday 1 October 2009 14:00 (15 minutes)*

**Presenter:** ROWE, Allan (FNAL)

**Session Classification:** GDE: Main Linac

Contribution ID: 173

Type: **not specified**

## **sample tests for STF stain problem**

*Thursday 1 October 2009 14:15 (10 minutes)*

**Presenter:** Dr SAEKI, Takayuki (KEK)

**Session Classification:** GDE: Main Linac



Contribution ID: 174

Type: **not specified**

## **Achievement of 41 MV/m gradient by AES8**

*Thursday 1 October 2009 14:25 (5 minutes)*

**Presenter:** Dr GENG, Rongli (Jefferson Lab)

**Session Classification:** GDE: Main Linac

Contribution ID: 175

Type: **not specified**

## Progress on guided repair and sponge cleaning

*Thursday 1 October 2009 14:30 (10 minutes)*

**Presenter:** HAYANO, Hitoshi (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: 176

Type: **not specified**

## **status of SRF at TRIUMF and PAVAC**

*Thursday 1 October 2009 14:40 (10 minutes)*

**Presenter:** LOCKYER, Nigel (TRIUMF)

**Session Classification:** GDE: Main Linac

Contribution ID: 177

Type: **not specified**

## Cavity R&D Status and Future Plans

*Thursday 1 October 2009 14:50 (40 minutes)*

**Presenter:** Dr GENG, Rongli (Jefferson Lab)

**Session Classification:** GDE: Main Linac

Contribution ID: **178**

Type: **not specified**

## **Re-entrant cavity progress**

*Thursday 1 October 2009 16:00 (10 minutes)*

**Presenter:** CONVAY, Zach

**Session Classification:** GDE: Main Linac

Contribution ID: 179

Type: **not specified**

## **KEK cavities: inspection, processing, testing and plan**

*Thursday 1 October 2009 16:10 (20 minutes)*

**Presenter:** YAMAMOTO, Yasuchika (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **180**

Type: **not specified**

## **US cavities: status and plan**

*Thursday 1 October 2009 16:30 (10 minutes)*

**Presenter:** CHAMPION, Mark (FNAL)

**Session Classification:** GDE: Main Linac

Contribution ID: **181**

Type: **not specified**

## **Low-loss/ICHIRO cavity progress**

*Thursday 1 October 2009 16:40 (10 minutes)*

**Presenter:** FURUTA, Fumio

**Session Classification:** GDE: Main Linac



Contribution ID: **182**

Type: **not specified**

## Cavity Database Status

*Thursday 1 October 2009 16:50 (40 minutes)*

**Presenter:** GINSBURG, Camille (FNAL)

**Session Classification:** GDE: Main Linac

Contribution ID: **183**

Type: **not specified**

## **Update of R&D in support of the klystron cluster scheme/ High Power Tests of a reflection free, remote controllable phase shifter**

*Friday 2 October 2009 10:30 (20 minutes)*

**Presenter:** Dr NANTISTA, Christopher (SLAC)

**Session Classification:** GDE: Main Linac

Contribution ID: **184**

Type: **not specified**

## **Operational experience with the Marx Modulator, 10MW Toshiba MBK and SBK gun**

*Friday 2 October 2009 10:50 (20 minutes)*

**Presenter:** Mr WANG, Faya (SLAC)

**Session Classification:** GDE: Main Linac

Contribution ID: **185**

Type: **not specified**

## Update of R&D of DRFS

*Friday 2 October 2009 11:10 (20 minutes)*

**Presenter:** Dr FUKUDA, Shigeki (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **186**

Type: **not specified**

## **Waveguide Components R&D; variable hybrid etc.**

*Friday 2 October 2009 11:30 (20 minutes)*

**Presenter:** Dr KAZAKOV, Sergey (KEK)

**Session Classification:** GDE: Main Linac

Contribution ID: **187**

Type: **not specified**

## **Impact of Travelling Focus & Strawman Baseline 2009 Changes to MDI**

*Wednesday 30 September 2009 13:30 (30 minutes)*

**Presenter:** Dr SERYI, Andrei (SLAC)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **188**

Type: **not specified**

## **Progress on Push-Pull IR Studies**

*Wednesday 30 September 2009 14:00 (30 minutes)*

**Presenter:** ORIUNNO, Marco (SLAC National Accelerator Laboratory)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **189**

Type: **not specified**

## **Compact SC Quad Prototype Plans and DID Status**

*Wednesday 30 September 2009 14:30 (30 minutes)*

**Presenter:** Dr PARKER, Brett (BNL)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors



Contribution ID: **190**

Type: **not specified**

## QD0/QF1 Design Update

*Wednesday 30 September 2009 15:00 (30 minutes)*

**Co-author:** Dr PARKER, Brett (BNL)

**Presenters:** MARONE, Andy (BNL); Dr PARKER, Brett (BNL)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **191**

Type: **not specified**

## **Forward Region Studies for the CLIC Detector**

*Thursday 1 October 2009 13:30 (30 minutes)*

**Presenter:** ELSENER, Konrad (CERN)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **192**

Type: **not specified**

## Update from the FCAL Collaboration

*Thursday 1 October 2009 14:00 (30 minutes)*

**Presenter:** LOHMANN, Wolfgang (DESY)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **193**

Type: **not specified**

## Discussion

*Thursday 1 October 2009 14:30 (20 minutes)*

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **194**Type: **not specified**

## Performance Study of the Pair-Monitor

*Thursday 1 October 2009 14:50 (20 minutes)*

### Summary

The pair monitor is the beam profile monitor at ILC.

It measures the beam profile by using the distributions of electron-positron pairs generated during the beam crossing.

We studied a technique of beam size measurement with the pair-monitor.

In this study, we measured the horizontal beam size, vertical beam size and vertical offset.

The measurement accuracies of vertical beam size, horizontal beam size and vertical offset were found to be 10.1%, 3.2%, 8.6% respectively, for 50 bunch crossings.

In addition, we will report the combined analysis with the BeamCal.

**Presenter:** YUTARO, Sato (Tohoku University)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **195**

Type: **not specified**

## **Development of the Readout ASIC for the ILD Pair Monitor**

*Thursday 1 October 2009 15:10 (20 minutes)*

**Presenter:** YUTARO, Sato (Tohoku University)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **196**

Type: **not specified**

## **Vibration Analysis of the ILD QD0-Support System**

*Friday 2 October 2009 10:30 (30 minutes)*

**Presenter:** YAMAOKA, Hiroshi (KEK)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **197**

Type: **not specified**

## **Vibration Studies for SiD**

*Friday 2 October 2009 11:00 (30 minutes)*

**Presenter:** ORIUNNO, Marco (SLAC National Accelerator Laboratory)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors



Contribution ID: **198**

Type: **not specified**

## Discussion

*Friday 2 October 2009 11:30 (30 minutes)*

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **199**

Type: **not specified**

## **IP Feedback System Prototyping and Design**

*Friday 2 October 2009 13:30 (20 minutes)*

**Presenter:** Prof. BURROWS, Philip (Oxford University)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **200**

Type: **not specified**

## **Expected Performance of the IP Feedback System at ILC**

*Friday 2 October 2009 13:50 (20 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **201**

Type: **not specified**

## **Vacuum Requirements in the Detector Region from Beam Gas and Other Considerations**

*Friday 2 October 2009 14:10 (20 minutes)*

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

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: **203**

Type: **not specified**

## **Presentation of the Current CFS Baseline Design Drawings**

*Wednesday 30 September 2009 10:30 (1h 30m)*

Including informal discussion with Area System Representatives

**Session Classification:** GDE: CFS

Contribution ID: **204**

Type: **not specified**

## Performance of the SiD Tracker

*Wednesday 30 September 2009 08:30 (20 minutes)*

**Author:** PARTRIDGE, Richard (SLAC)

**Presenter:** PARTRIDGE, Richard (SLAC)

**Session Classification:** Detectors: Tracking

Contribution ID: **205**

Type: **not specified**

## **vertex & tracking (Bill Cooper)**

*Saturday 3 October 2009 08:30 (13 minutes)*

**Session Classification:** ALCPG Plenary

Contribution ID: **206**

Type: **not specified**

## **calorimeter and muons**

*Saturday 3 October 2009 08:45 (13 minutes)*

**Session Classification:** ALCPG Plenary



Contribution ID: **207**

Type: **not specified**

## **IR, backgrounds, and beamline instrumentation**

*Saturday 3 October 2009 09:00 (10 minutes)*

**Session Classification:** ALCPG Plenary

Contribution ID: **208**

Type: **not specified**

## Test Beams

*Saturday 3 October 2009 09:12 (10 minutes)*

**Session Classification:** ALCPG Plenary

Contribution ID: **209**

Type: **not specified**

## **Simulation and reconstruction**

*Saturday 3 October 2009 09:24 (10 minutes)*

**Session Classification:** ALCPG Plenary

Contribution ID: **210**

Type: **not specified**

## **Gamma-gamma**

*Saturday 3 October 2009 09:36 (10 minutes)*

**Session Classification:** ALCPG Plenary

Contribution ID: **211**

Type: **not specified**

## **Missing Energy & Jet and Photon Energy Measurements**

*Saturday 3 October 2009 09:48 (10 minutes)*

**Session Classification:** ALCPG Plenary

Contribution ID: 212

Type: **not specified**

# **00 b/c Separation and Tau Tagging & Charged Particle Momentum Measurements, V0 Reconstruction, and Identification of Stable Charged Particles**

*Saturday 3 October 2009 10:00 (10 minutes)*

**Session Classification:** ALCPG Plenary

Contribution ID: **213**

Type: **not specified**

## Forward Tracking at the ILC

*Wednesday 30 September 2009 08:50 (20 minutes)*

**Presenter:** RUIZ-JIMENO, Alberto (Cantabria)

**Session Classification:** Detectors: Tracking

Contribution ID: **214**

Type: **not specified**

## **Update on Microstrip R&D at SCIPP**

*Wednesday 30 September 2009 09:10 (20 minutes)*

**Presenter:** SCHUMM, Bruce (UC Santa Cruz)

**Session Classification:** Detectors: Tracking



Contribution ID: **216**

Type: **not specified**

## **Exploration of Charge Division with Silicon Strip Detectors**

*Wednesday 30 September 2009 09:30 (20 minutes)*

**Presenter:** CARMAN, Jerome (UC Santa Cruz)

**Session Classification:** Detectors: Tracking

Contribution ID: **217**

Type: **not specified**

## **Results from a Large TPC Prototype, Including MicroMegas Results**

*Wednesday 30 September 2009 13:30 (20 minutes)*

**Presenter:** DEHMELT, Klaus (DESY)

**Session Classification:** Detectors: Tracking

Contribution ID: **218**

Type: **not specified**

## **GEM Results from the Large Prototype**

*Wednesday 30 September 2009 13:50 (20 minutes)*

**Presenter:** KUROIWA, Hirotoishi (KEK)

**Session Classification:** Detectors: Tracking

Contribution ID: **219**

Type: **not specified**

## Pixel Readout for a LC TPC

*Wednesday 30 September 2009 14:10 (20 minutes)*

**Presenter:** TIMMERMANS, Jan (NIKHEF/DESY)

**Session Classification:** Detectors: Tracking

Contribution ID: **220**

Type: **not specified**

## Update from the SiLC Collaboration

*Wednesday 30 September 2009 14:30 (30 minutes)*

**Presenter:** SAVOY-NAVARRO, Aurore (LPNHE Paris)

**Session Classification:** Detectors: Tracking

Contribution ID: **221**

Type: **not specified**

## **Silicon Tracker Activities in Vienna - a Status Report**

*Friday 2 October 2009 08:30 (20 minutes)*

**Presenter:** MITAROFF, Winfried (Vienna)

**Session Classification:** Detectors: Tracking

Contribution ID: 222

Type: **not specified**

## **Development of New Microstrip Sensors Optimized for IR Laser Track Alignment**

*Friday 2 October 2009 08:50 (20 minutes)*

**Presenter:** RUIZ-JIMENO, Alberto (Cantabria)

**Session Classification:** Detectors: Tracking

Contribution ID: 223

Type: **not specified**

## Effects of TPC Background on ILD Tracking Performance

*Friday 2 October 2009 09:10 (20 minutes)*

**Presenter:** APLIN, Steven (DESY)

**Session Classification:** Detectors: Tracking



Contribution ID: **224**

Type: **not specified**

## ILD Tracking Future Plans

*Friday 2 October 2009 09:30 (20 minutes)*

**Presenter:** MATSUDA, Takeshi (KEK/DESY)

**Session Classification:** Detectors: Tracking

Contribution ID: 232

Type: **not specified**

## **Kinematic Cusps: Determining the Missing Mass at Colliders**

*Wednesday 30 September 2009 10:30 (20 minutes)*

**Presenter:** Dr KIM, Ian-Woo (University of Wisconsin-Madison)

**Session Classification:** Physics: Missing Energy

Contribution ID: 233

Type: **not specified**

## Probing the Higgs self coupling in $e^+e^-$ collisions

*Wednesday 30 September 2009 10:55 (20 minutes)*

**Presenter:** Prof. BAUR, Ulrich (State University of New York at Buffalo)

**Session Classification:** Physics: Missing Energy

Contribution ID: 234

Type: **not specified**

## Discussion on future plans

*Wednesday 30 September 2009 11:30 (20 minutes)*

**Session Classification:** Physics: Missing Energy

Contribution ID: 235

Type: **not specified**

## **Joint with BDS and IR (see agenda of "Detectors: Interaction Region Backgrounds, Forward Detectors" Group)**

*Friday 2 October 2009 13:30 (2 hours)*

**Session Classification:** GDE: Beam Dynamics

Contribution ID: **236**

Type: **not specified**

## **Joint with ML and RTML (see agenda of Main Linac Group)**

*Thursday 1 October 2009 10:30 (1h 30m)*

**Session Classification:** GDE: Beam Dynamics

Contribution ID: **237**

Type: **not specified**

## Introduction

*Thursday 1 October 2009 08:30 (20 minutes)*

**Presenter:** Dr SUGIMOTO, Yasuhiro (KEK)

**Session Classification:** Detectors: ILD Working Group

Contribution ID: 238

Type: **not specified**

## Physics and optimization

*Thursday 1 October 2009 08:50 (25 minutes)*

**Presenters:** Prof. THOMSON, Mark (University of Cambridge); Dr TAKUBO, Yosuke (Tohoku University)

**Session Classification:** Detectors: ILD Working Group



Contribution ID: **239**

Type: **not specified**

## Simulation and Software

*Thursday 1 October 2009 09:15 (25 minutes)*

**Presenters:** MIYAMOTO, Akiya (KEK); GAEDE, Frank (DESY)

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **240**

Type: **not specified**

## **MDI and Integration**

*Thursday 1 October 2009 09:40 (20 minutes)*

**Presenters:** Dr BUESSER, Karsten (DESY); Dr TAUCHI, Toshiaki

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **241**

Type: **not specified**

## Vertexing

*Thursday 1 October 2009 10:30 (12 minutes)*

**Presenter:** Dr WINTER, Mark

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **242**

Type: **not specified**

## Silicon Trackers

*Thursday 1 October 2009 10:42 (12 minutes)*

**Presenter:** Dr SAVOY-NAVARRO, Aurore (in2p3)

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **243**

Type: **not specified**

## TPC

*Thursday 1 October 2009 10:54 (12 minutes)*

**Presenter:** Prof. TIMMERMANS, Jan

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **245**

Type: **not specified**

## FCAL

*Thursday 1 October 2009 11:26 (12 minutes)*

**Presenter:** LOHMANN, Wolfgang (DESY)

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **246**

Type: **not specified**

## Discussion

*Thursday 1 October 2009 11:38 (22 minutes)*

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **247**

Type: **not specified**

## Low Energy operation

*Thursday 1 October 2009 14:40 (20 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** GDE: Sources



Contribution ID: **248**

Type: **not specified**

## **DRSF Main Linac Heat Loads**

*Wednesday 30 September 2009 16:00 (30 minutes)*

**Presenter:** Dr FUKUDA, Shigeki (KEK)

**Session Classification:** GDE: CFS

Contribution ID: **249**

Type: **not specified**

## **Klystron Cluster Main Linac Heat Loads**

*Wednesday 30 September 2009 16:30 (30 minutes)*

**Presenter:** HUEDEM, Emil (FNAL)

**Session Classification:** GDE: CFS

Contribution ID: **250**

Type: **not specified**

## **General CFS Group Discussion and Planning**

*Wednesday 30 September 2009 17:00 (20 minutes)*

**Session Classification:** GDE: CFS

Contribution ID: **251**

Type: **not specified**

## **Asian Tunnel Configuration**

*Thursday 1 October 2009 08:30 (20 minutes)*

**Presenter:** Dr ENOMOTO, atsushi (KEK)

**Session Classification:** GDE: CFS

Contribution ID: 252

Type: **not specified**

## European Tunnel Configuration

*Thursday 1 October 2009 08:50 (20 minutes)*

**Presenter:** OSBORNE, John Andrew (CERN)

**Session Classification:** GDE: CFS

Contribution ID: 253

Type: **not specified**

## Americas Tunnel Configuration

*Thursday 1 October 2009 09:10 (20 minutes)*

**Presenter:** LACKOWSKI, Tom (FNAL)

**Session Classification:** GDE: CFS

Contribution ID: 254

Type: **not specified**

## General CFS Group Discussion

*Thursday 1 October 2009 09:30 (30 minutes)*

**Session Classification:** GDE: CFS

Contribution ID: 255

Type: **not specified**

## Asian Life Safety and Egress

*Thursday 1 October 2009 10:30 (15 minutes)*

**Presenter:** Mr MIYAHARA, Masanobu (KEK)

**Session Classification:** GDE: CFS



Contribution ID: 256

Type: **not specified**

## European Life Safety and Egress

*Thursday 1 October 2009 10:45 (15 minutes)*

**Presenter:** OSBORNE, John Andrew (CERN)

**Session Classification:** GDE: CFS

Contribution ID: 257

Type: **not specified**

## Americas Life Safety and Egress

*Thursday 1 October 2009 11:00 (15 minutes)*

**Presenter:** Mr KUCHLER, Victor (Fermilab)

**Session Classification:** GDE: CFS

Contribution ID: **258**

Type: **not specified**

## **General CFS Group Discussion**

*Thursday 1 October 2009 11:15 (30 minutes)*

**Session Classification:** GDE: CFS

Contribution ID: 259

Type: **not specified**

## **Planning for the Development of the Global Safety Document**

*Thursday 1 October 2009 11:45 (15 minutes)*

**Session Classification:** GDE: CFS

Contribution ID: **260**

Type: **not specified**

## **Status of Asian Tunnel Costs**

*Thursday 1 October 2009 13:30 (30 minutes)*

**Presenter:** Dr ENOMOTO, atsushi (KEK)

**Session Classification:** GDE: CFS

Contribution ID: **261**

Type: **not specified**

## Status of European Tunnel Costs

*Thursday 1 October 2009 14:00 (30 minutes)*

**Presenter:** OSBORNE, John Andrew (CERN)

**Session Classification:** GDE: CFS

Contribution ID: **262**

Type: **not specified**

## Status of Americas Tunnel Costs

*Thursday 1 October 2009 14:30 (30 minutes)*

**Presenter:** LACKOWSKI, Tom (FNAL)

**Session Classification:** GDE: CFS

Contribution ID: 263

Type: **not specified**

## **Group CFS Discussion of Regional Design and Cost Differences**

*Thursday 1 October 2009 15:00 (30 minutes)*

**Session Classification:** GDE: CFS



Contribution ID: 264

Type: **not specified**

## 3D Status Asian Region

*Thursday 1 October 2009 16:00 (20 minutes)*

**Presenter:** Mr NISHIMOTO, Yoshinobu (JPOWER)

**Session Classification:** GDE: CFS

Contribution ID: 265

Type: **not specified**

## 3D Status European Region

*Thursday 1 October 2009 16:20 (20 minutes)*

**Presenter:** OSBORNE, John Andrew (CERN)

**Session Classification:** GDE: CFS

Contribution ID: **266**

Type: **not specified**

## **3D Status Americas Region**

*Thursday 1 October 2009 16:40 (20 minutes)*

**Presenter:** Mr CRIMER, Gerald

**Session Classification:** GDE: CFS

Contribution ID: **267**

Type: **not specified**

## **General CFS Group Discussion**

*Thursday 1 October 2009 17:00 (30 minutes)*

**Session Classification:** GDE: CFS

Contribution ID: **268**

Type: **not specified**

## **General CFS Group Discussion of the CFS EDMS Status**

*Friday 2 October 2009 08:30 (30 minutes)*

**Session Classification:** GDE: CFS

Contribution ID: **269**

Type: **not specified**

## **Review of EDMS System**

*Friday 2 October 2009 09:00 (30 minutes)*

**Presenter:** HAGGE, Lars

**Session Classification:** GDE: CFS

Contribution ID: **270**

Type: **not specified**

## **Plan Development for CFS EDMS Integration**

*Friday 2 October 2009 09:30 (30 minutes)*

**Session Classification:** GDE: CFS

Contribution ID: 271

Type: **not specified**

## **General CFS Group Discussion and Planning for the TDP II Cost Estimating Effort**

*Friday 2 October 2009 10:30 (20 minutes)*

**Session Classification:** GDE: CFS



Contribution ID: 272

Type: **not specified**

## Lepton jets at High Energy Colliders

*Thursday 1 October 2009 13:30 (20 minutes)*

**Presenter:** WANG, Liantao (Princeton University)

**Session Classification:** Physics: Momentum measurement, V0, and stable charged particles

Contribution ID: 273

Type: **not specified**

## Studies for the SID Letter of Intent

*Thursday 1 October 2009 13:50 (20 minutes)*

**Presenter:** STRUBE, Jan (Rutherford Labs)

**Session Classification:** Physics: Momentum measurement, V0, and stable charged particles

Contribution ID: 274

Type: **not specified**

## Studies for the ILD Letter of Intent

*Thursday 1 October 2009 14:10 (20 minutes)*

**Presenter:** LI, Hengne (LAL Orsay)

**Session Classification:** Physics: Momentum measurement, V0, and stable charged particles

Contribution ID: 275

Type: **not specified**

## Stable Charged Particle Identification Signatures

*Thursday 1 October 2009 14:30 (20 minutes)*

**Presenter:** HAUPTMAN, John (Iowa State)

**Session Classification:** Physics: Momentum measurement, V0, and stable charged particles

Contribution ID: 276

Type: **not specified**

## **Momentum Precision and Non-Prompt Track Reconstruction in SiD**

*Thursday 1 October 2009 14:50 (20 minutes)*

**Presenter:** SCHUMM, Bruce (UC Santa Cruz)

**Session Classification:** Physics: Momentum measurement, V0, and stable charged particles

Contribution ID: **277**

Type: **not specified**

# Welcome

*Wednesday 30 September 2009 08:30 (10 minutes)*

**Session Classification:** Physics: Missing Energy

Contribution ID: 278

Type: **not specified**

## **Determination of the neutralino lifetime in $\chi^0_1$ → G gamma decays**

*Wednesday 30 September 2009 08:40 (20 minutes)*

**Presenter:** WATTIMENA, Nanda (DESY)

**Session Classification:** Physics: Missing Energy

Contribution ID: 279

Type: **not specified**

## **Chargino/Neutralino analysis in SUSY Point 5 with the ILD detector**

*Wednesday 30 September 2009 09:05 (20 minutes)*

**Author:** Dr SUEHARA, Taikan (The University of Tokyo)

**Presenter:** Dr SUEHARA, Taikan (The University of Tokyo)

**Session Classification:** Physics: Missing Energy



Contribution ID: **280**

Type: **not specified**

## **Prospects for the study of staus in SPS1a' in ILD**

*Wednesday 30 September 2009 09:30 (20 minutes)*

**Author:** BERGGREN, Mikael (DESY Hamburg)

**Presenter:** BERGGREN, Mikael (DESY Hamburg)

**Session Classification:** Physics: Missing Energy

Contribution ID: **281**

Type: **not specified**

## **ATF2 Beam Size Monitor Status**

*Wednesday 30 September 2009 10:35 (15 minutes)*

**Presenter:** Mr YAMANAKA, Takashi (The University of Tokyo)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **282**

Type: **not specified**

## IP beam tuning status

*Wednesday 30 September 2009 10:50 (15 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 283

Type: **not specified**

## **Status of BPM system, focus on the calibration and user interface to get calibrated position information**

*Wednesday 30 September 2009 11:05 (15 minutes)*

**Presenter:** Dr BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **284**

Type: **not specified**

## Permanent Quadrupole Study Plan

*Wednesday 30 September 2009 11:20 (15 minutes)*

**Presenter:** Dr IWASHITA, yoshihisa (Kyoto Univ.)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **285**

Type: **not specified**

## Status of tilt monitor

*Wednesday 30 September 2009 11:35 (15 minutes)*

**Presenter:** Mr OKAMOTO, Daisuke (Tohoku University)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **286**

Type: **not specified**

## **ATF2 Status and Commissioning Strategy meeting**

*Thursday 1 October 2009 08:30 (5 minutes)*

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 287

Type: **not specified**

## **Status of Beam Dump Design, Satyamurthy Polepalle (BARC), John Amann and Dieter Walz (SLAC)**

*Thursday 1 October 2009 10:55 (20 minutes)*

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

**Session Classification:** GDE: Beam Delivery System



Contribution ID: **288**

Type: **not specified**

# **Linearity Studies of Multi-anode Photodetectors for ILC Polarimetry**

*Thursday 1 October 2009 16:05 (20 minutes)*

**Presenter:** Dr KAEFER, Daniela (DESY - FLC)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **289**

Type: **not specified**

## **Test beam Measurements with a Cherenkov Detector Prototype for ILC Polarimetry**

*Thursday 1 October 2009 16:25 (20 minutes)*

**Presenter:** Dr KAEFER, Daniela (DESY - FLC)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **290**

Type: **not specified**

## Overview of Polarimetry

*Thursday 1 October 2009 16:45 (20 minutes)*

**Presenter:** Dr MOFFEIT, Kenneth (SLAC)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **291**

Type: **not specified**

## **Polarization Considerations for CLIC**

*Thursday 1 October 2009 11:15 (20 minutes)*

**Presenter:** Dr MOFFEIT, Kenneth (SLAC)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 292

Type: **not specified**

## **Report on Compton backscattering experiments in Japan**

*Friday 2 October 2009 09:05 (30 minutes)*

**Presenter:** Dr TAKAHASHI, Tohru Takahashi (Hiroshima University)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: **293**

Type: **not specified**

## Updates on BDS optics

*Thursday 1 October 2009 10:35 (20 minutes)*

**Presenter:** ANGAL-KALININ, Deepa (STFC Daresbury)

**Session Classification:** GDE: Beam Delivery System

Contribution ID: 294

Type: **not specified**

## ILD Calorimetry Concept

*Wednesday 30 September 2009 13:30 (30 minutes)*

**Presenter:** Dr BOUDRY, Vincent (LLR, Ecole polytechnique)

**Session Classification:** Detectors: Calorimetry

Contribution ID: 295

Type: **not specified**

## Dual Readout technology for 4th Concept calorimeter

*Wednesday 30 September 2009 14:00 (30 minutes)*

**Presenter:** Prof. HAUPTMAN, John (Iowa State)

**Session Classification:** Detectors: Calorimetry



Contribution ID: **296**

Type: **not specified**

## Dual readout in totally active calorimeter

*Wednesday 30 September 2009 14:30 (20 minutes)*

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

**Session Classification:** Detectors: Calorimetry

Contribution ID: **297**

Type: **not specified**

## **DREAM calorimetry for the ILC**

*Wednesday 30 September 2009 14:50 (30 minutes)*

**Presenter:** AKCHURIN, Nural

**Session Classification:** Detectors: Calorimetry

Contribution ID: **298**

Type: **not specified**

## **The Scintillator ECAL Beam Test at FNAL**

*Thursday 1 October 2009 13:30 (20 minutes)*

**Presenter:** KOTERA, Katsushige (Shinshu University, Faculty of Science,)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **299**

Type: **not specified**

## **Si\_W ECAL results and plans**

*Thursday 1 October 2009 13:50 (20 minutes)*

**Presenter:** POESCHL, Roman (LAL Orsay)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **300**

Type: **not specified**

## **Interconnect Issues for a Compact Si-W EM Calorimeter**

*Thursday 1 October 2009 14:10 (20 minutes)*

**Presenter:** Mr WOODS, Michael (UC Davis)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **301**

Type: **not specified**

# Integrated Readout Layer R&D for Scintillator HCAL

*Thursday 1 October 2009 14:50 (20 minutes)*

**Presenter:** CHAKRABORTY, Dhiman (Northern Illinois University)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **302**

Type: **not specified**

## **SiD Calorimetry - mechanical design and engineering issues**

*Thursday 1 October 2009 14:30 (20 minutes)*

**Presenter:** ORIUNNO, Marco (SLAC National Accelerator Laboratory)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **303**

Type: **not specified**

## **Leakage correction for the totally active dual readout calorimeter**

*Thursday 1 October 2009 15:10 (20 minutes)*

**Presenter:** Prof. PAULETTA, Giovanni (University of Udine)

**Session Classification:** Detectors: Calorimetry



Contribution ID: **304**

Type: **not specified**

# LED calibration system for the CALICE AHCAL

*Thursday 1 October 2009 16:00 (18 minutes)*

**Presenter:** POLAK, Ivo (Institute of Physics - Academy of Sciences of the Czech Republic)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **305**

Type: **not specified**

## **Analog HCAL analysis overview**

*Thursday 1 October 2009 16:18 (18 minutes)*

**Presenter:** Dr LUCACI-TIMOCE, Angela (FLC, CALICE, DESY)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **306**

Type: **not specified**

## Analog HCAL calibration

*Thursday 1 October 2009 16:36 (18 minutes)*

**Presenter:** Dr LUCACI-TIMOCE, Angela (FLC, CALICE, DESY)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **307**

Type: **not specified**

## TCMT Test Beam Analysis

*Thursday 1 October 2009 16:54 (18 minutes)*

**Presenter:** Mr FRANCIS, Kurt (NIU)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **308**

Type: **not specified**

## Analog HCAL hardware plans

*Thursday 1 October 2009 17:12 (18 minutes)*

**Presenter:** SEFKOW, Felix (DESY)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **309**

Type: **not specified**

## **Construction of the RPC DHCAL physics prototype**

*Friday 2 October 2009 13:30 (20 minutes)*

**Presenter:** Dr XIA, Lei (Argonne National Laboratory)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **310**

Type: **not specified**

## **Simulation of an RPC DHCAL**

*Friday 2 October 2009 13:50 (20 minutes)*

**Presenter:** Dr REPOND, Jose (Argonne National Laboratory)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **311**

Type: **not specified**

## **Analysis of the RPC DHCAL data**

*Friday 2 October 2009 14:10 (20 minutes)*

**Presenter:** Mr ZHANG, Qingmin (ANL & IHEP)

**Session Classification:** Detectors: Calorimetry



Contribution ID: **312**

Type: **not specified**

## **Semi-digital HCAL tests and plans**

*Friday 2 October 2009 14:30 (20 minutes)*

**Presenter:** RUAN, Manqi (CNRS)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **313**

Type: **not specified**

## **Status of GEM Development for DHCAL**

*Friday 2 October 2009 14:50 (20 minutes)*

**Presenter:** YU, Jaehoon (University of Texas at Arlington)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **314**

Type: **not specified**

## **Development of large area MICROMEGAS chambers for DHCAL**

*Friday 2 October 2009 15:10 (20 minutes)*

**Presenter:** BLAHA, Jan (lapp-Laboratoire d'Annecy-le-Vieux de Physique des Particules-In)

**Session Classification:** Detectors: Calorimetry

Contribution ID: **315**

Type: **not specified**

## **TE Wave at FNAL**

*Thursday 1 October 2009 11:10 (15 minutes)*

**Presenter:** Mr WENDT, Manfred (Fermilab)

**Session Classification:** GDE: Damping Ring

Contribution ID: **316**

Type: **not specified**

## **Long lifetime electron in non-uniform magnetic field**

*Thursday 1 October 2009 11:25 (15 minutes)*

**Presenter:** Dr WANG, Lanfa (SLAC)

**Session Classification:** GDE: Damping Ring

Contribution ID: **317**

Type: **not specified**

## **Plans to reduce horizontal emittance at ATF DR**

*Friday 2 October 2009 11:20 (20 minutes)*

**Presenter:** PAPAPHILIPPOU, Yannis

**Session Classification:** GDE: Damping Ring

Contribution ID: **318**

Type: **not specified**

## **Muon system**

*Thursday 1 October 2009 10:20 (10 minutes)*

**Presenter:** Mr D'ASCENZO, Nicola (DESY)

**Session Classification:** Detectors: ILD Working Group

Contribution ID: **319**

Type: **not specified**

## ECAL and HCAL

*Thursday 1 October 2009 11:06 (20 minutes)*

**Presenters:** SEFKOW, Felix (DESY); Dr BRIENT, Jean-Claude (LLR); Prof. KAWAGOE, Kiyotomo (Kobe university); Mr LAKTINEH, imad (IPNL)

**Session Classification:** Detectors: ILD Working Group



Contribution ID: **320**

Type: **not specified**

## **Photon reconstruction in ILD with GARLIC**

*Friday 2 October 2009 10:30 (20 minutes)*

**Author:** Mr REINHARD, Marcel (LLR-Ecole Polytechnique)

**Presenter:** Mr REINHARD, Marcel (LLR-Ecole Polytechnique)

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: **321**

Type: **not specified**

## **Comparison between Fe and W HCal at multi-TeV energies**

*Friday 2 October 2009 10:55 (20 minutes)*

**Presenter:** Mr GREFE, Christian (CERN, Bonn University)

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: **322**

Type: **not specified**

## Energy resolution and shower weighting

*Friday 2 October 2009 11:20 (20 minutes)*

**Presenter:** SEIDEL, Katja (Max-Planck-Institute for Physics)

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: **323**

Type: **not specified**

## **Event Reconstruction in SiD02 with a Dual Readout Calorimeter**

*Friday 2 October 2009 11:45 (20 minutes)*

**Author:** Dr MAGILL, Stephen (Argonne National Laboratory)

**Presenter:** Dr MAGILL, Stephen (Argonne National Laboratory)

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: 324

Type: **not specified**

## **Reconstructing di-jet masses in a crystal calorimeter in a magnetic field**

*Friday 2 October 2009 13:30 (15 minutes)*

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

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: 325

Type: **not specified**

## **Measuring the Higgs Boson Self-coupling at High Energy $e^+ e^-$ Colliders**

*Friday 2 October 2009 13:50 (25 minutes)*

**Presenter:** Prof. BAUR, Ulrich (State University of New York at Buffalo)

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: **326**

Type: **not specified**

## **Supersymmetry Without (Too Much) Prejudice**

*Friday 2 October 2009 14:20 (25 minutes)*

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

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: 327

Type: **not specified**

## **A feasibility study of top-quark Yukawa coupling measurement in $e^+e^- \rightarrow t\bar{t}H$ at $\sqrt{s}=500\text{GeV}$**

*Friday 2 October 2009 14:50 (20 minutes)*

**Author:** Dr IKEMATSU, Katsumasa (KEK/IPNS)

**Presenter:** Dr IKEMATSU, Katsumasa (KEK/IPNS)

**Session Classification:** Physics: Jet and Photon Energy Measurement



Contribution ID: 328

Type: **not specified**

## **Performances of a fast, full-scale, CMOS pixel sensor with integrated zero-suppression and its evolution towards ultra-light double-sided ladders for the ILD vertex detector.**

*Wednesday 30 September 2009 10:30 (20 minutes)*

**Author:** Dr DE MASI, Rita (IRES)

**Presenter:** Dr DE MASI, Rita (IRES)

**Session Classification:** Detectors: Vertex Detection

Contribution ID: 329

Type: **not specified**

## New geometry for the ILD muon system in MOKKA

*Friday 2 October 2009 08:30 (20 minutes)*

### Summary

The progresses are described in the simulation of the ILD muon system within the MOKKA simulation framework according to the most recent developments of the muon detector. The components of the stainless-steel cryostat are fully implemented within the geometry, including the read-out capability of two additional double-layers of scintillator strips. The coil is modeled according to recent studies, in terms of size and material composition. The yoke is equipped with an alternating structure of scintillator-strips and stainless-steel layers. The possibility of rescaling the size of the muon system and of changing the segmentation and size of sensitive and absorber layers in the simulation of the ILD detector makes this geometry suitable for the study of the muon system performances according to the realistic technical design parameters.

**Authors:** Mr D'ASCENZO, Nicola (DESY); Dr SCHNEEKLOTH, Uwe (DESY); SAVELIEV, Valeri (Moscow Physical Engineering Institute (MePhI))

**Presenter:** Mr D'ASCENZO, Nicola (DESY)

**Session Classification:** Detectors: Muons

Contribution ID: **330**

Type: **not specified**

## **Muon ID and measurement in the 4th detector**

*Friday 2 October 2009 08:50 (20 minutes)*

### **Summary**

Two of the innovations in the 4th detector are an iron-free flux return and a dual-readout fiber calorimeter. I will describe how these two benefit the precision measurement and the particle identification of muons.

**Author:** Prof. HAUPTMAN, John (Iowa State)

**Presenter:** Prof. HAUPTMAN, John (Iowa State)

**Session Classification:** Detectors: Muons

Contribution ID: **331**

Type: **not specified**

## **Studies and Plans for RPC Muon Detectors**

*Friday 2 October 2009 09:10 (20 minutes)*

**Author:** Dr BAND, Henry (U. Wisconsin)

**Presenter:** Dr BAND, Henry (U. Wisconsin)

**Session Classification:** Detectors: Muons

Contribution ID: **332**

Type: **not specified**

## **Muon strip-scintillator system**

*Friday 2 October 2009 09:30 (20 minutes)*

**Author:** FISK, H. Eugene (Fermilab)

**Presenter:** FISK, H. Eugene (Fermilab)

**Session Classification:** Detectors: Muons

Contribution ID: **333**

Type: **not specified**

## **Results and Plans for SiPM Readout of Scintillators**

*Friday 2 October 2009 10:30 (30 minutes)*

**Author:** Dr RUBINOV, Paul (Fermilab)

**Presenter:** Dr RUBINOV, Paul (Fermilab)

**Session Classification:** Detectors: Muons

Contribution ID: **334**

Type: **not specified**

## ISIS2 Test Results

*Wednesday 30 September 2009 11:20 (30 minutes)*

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

**Session Classification:** Detectors: Vertex Detection

Contribution ID: 335

Type: **not specified**

## Development of Readout ASIC for FPCCD Vertex Detector

*Thursday 1 October 2009 14:15 (30 minutes)*

**Author:** Dr ITAGAKI, Kenosuke (Tohoku University)

**Presenter:** Dr ITAGAKI, Kenosuke (Tohoku University)

**Session Classification:** Detectors: Vertex Detection



Contribution ID: **336**

Type: **not specified**

## Test Results of the Chronopixel Prototype

*Thursday 1 October 2009 13:30 (20 minutes)*

**Author:** Dr SINEV, Nick (University of Oregon)

**Presenter:** Dr SINEV, Nick (University of Oregon)

**Session Classification:** Detectors: Vertex Detection

Contribution ID: 337

Type: **not specified**

## **Low-Mass Vertex Detector Structures Using Silicon Carbide Foam**

*Thursday 1 October 2009 13:50 (25 minutes)*

**Author:** Dr PAGE, Ryan (Bristol University)

**Presenter:** Dr PAGE, Ryan (Bristol University)

**Session Classification:** Detectors: Vertex Detection

Contribution ID: 338

Type: **not specified**

## **DEPFET technology for the ILC: Achievements, latest results and future plans**

*Wednesday 30 September 2009 10:50 (30 minutes)*

**Presenter:** Dr MARINAS, Carlos (IFIC - Valencia)

**Session Classification:** Detectors: Vertex Detection

Contribution ID: 339

Type: **not specified**

## Right-handed neutrinos in extra-dimension model

*Friday 2 October 2009 15:15 (15 minutes)*

**Presenter:** Dr TAKUBO, Yosuke (Tohoku University)

**Session Classification:** Physics: Jet and Photon Energy Measurement

Contribution ID: **340**

Type: **not specified**

# **First observation of large angle beamstrahlung**

*Wednesday 30 September 2009 10:30 (25 minutes)*

**Session Classification:** Detectors: Beam measurement instruments

Contribution ID: **341**

Type: **not specified**

## **Future large angle beamstrahlung detectors**

*Wednesday 30 September 2009 10:55 (20 minutes)*

**Session Classification:** Detectors: Beam measurement instruments

Contribution ID: **342**

Type: **not specified**

## Overview of Polarimetry

*Thursday 1 October 2009 16:00 (30 minutes)*

**Session Classification:** Detectors: Beam measurement instruments

Contribution ID: **343**

Type: **not specified**

## **ATF2 SC Quads plans**

*Wednesday 30 September 2009 16:00 (5 minutes)*

**Session Classification:** GDE: Beam Delivery System



Contribution ID: 344

Type: **not specified**

## **Linearity Studies of Multi-anode Photodetectors for ILC Polarimetry**

*Thursday 1 October 2009 16:30 (20 minutes)*

**Author:** Dr KAEFER, Daniela (DESY - FLC)

**Session Classification:** Detectors: Beam measurement instruments

Contribution ID: 345

Type: **not specified**

## **Testbeam Measurements with a Cherenkov Detector Prototype for ILC Polarimetry**

*Thursday 1 October 2009 16:50 (20 minutes)*

**Session Classification:** Detectors: Beam measurement instruments

Contribution ID: **346**

Type: **not specified**

## Overview of Energy Spectrometry

*Thursday 1 October 2009 17:10 (20 minutes)*

**Author:** HILDRETH, Mike (University of Notre Dame)

**Session Classification:** Detectors: Beam measurement instruments

Contribution ID: **347**

Type: **not specified**

## Update on vacuum modelling

*Friday 2 October 2009 14:30 (20 minutes)*

**Presenter:** Dr MALYSHEV, Oleg (ASTeC, STFC Daresbury Laboratory, UK)

**Session Classification:** Detectors: Interaction Region Backgrounds, Forward Detectors

Contribution ID: 348

Type: **not specified**

## **Consideration on the Field Gradient and Yield toward Re-baselining in TDP2**

*Thursday 1 October 2009 17:30 (30 minutes)*

**Author:** Prof. YAMAMOTO, Akira (High Energy Accelerator Research Organization (KEK))

**Presenter:** Prof. YAMAMOTO, Akira (High Energy Accelerator Research Organization (KEK))

**Session Classification:** GDE: Main Linac

Contribution ID: **349**

Type: **not specified**

## **WG1 'Sources' AD & I Summary**

*Friday 2 October 2009 16:00 (10 minutes)*

**Author:** Prof. CLARKE, Jim (STFC Daresbury Lab)

**Presenter:** Prof. CLARKE, Jim (STFC Daresbury Lab)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: **350**

Type: **not specified**

## **WG2 'Damping Ring' AD & I Summary**

*Friday 2 October 2009 16:10 (10 minutes)*

**Author:** Dr GUIDUCCI, Susanna (INFN)

**Presenter:** Dr GUIDUCCI, Susanna (INFN)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: 351

Type: **not specified**

## WG3 'Main Linac' AD & I Summary

*Friday 2 October 2009 16:20 (20 minutes)*

**Presenter:** ADOLPHSEN, Chris (SLAC)

**Session Classification:** GDE: Accelerator Design and Integration



Contribution ID: 352

Type: **not specified**

## WG4 'Beam Delivery' AD & I Summary

*Friday 2 October 2009 16:40 (10 minutes)*

**Presenter:** Dr SERYI, Andrei (SLAC)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: 353

Type: **not specified**

## **WG5 'Beam Dynamics - RTML' AD & I**

*Friday 2 October 2009 16:50 (10 minutes)*

**Author:** Dr SOLYAK, Nikolay (FNAL)

**Presenter:** Dr SOLYAK, Nikolay (FNAL)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: 354

Type: **not specified**

## **WG6 'CFS' AD & I Summary**

*Friday 2 October 2009 17:00 (10 minutes)*

**Presenter:** Mr KUCHLER, Victor (Fermilab)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: 355

Type: **not specified**

## Costing Group AD & I Summary

*Friday 2 October 2009 17:10 (10 minutes)*

**Presenter:** GARBINCIUS, Peter (FNAL)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: **356**

Type: **not specified**

## **SB2009 Proposal Document**

*Friday 2 October 2009 17:20 (20 minutes)*

**Author:** Dr TOGE, Nobu (KEK)

**Presenter:** Dr TOGE, Nobu (KEK)

**Session Classification:** GDE: Accelerator Design and Integration

Contribution ID: **357**

Type: **not specified**

## **The Mysterious Universe**

*Thursday 1 October 2009 19:00 (3 hours)*

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

**Session Classification:** Public Lecture