

High precision measurements of luminosity at future linear colliders and polarization of lepton beams

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Sunday 3 October 2010 10:00 (10 minutes)

Presenter: LEVY, Aharon (Unknown)

Session Classification: Welcome and Introduction - Chairperson: Gideon Alexander

Contribution ID: 1

Type: **not specified**

Introduction to FCAL

Sunday 3 October 2010 10:10 (20 minutes)

Presenter: LOHMANN, Wolfgang (DESY)

Session Classification: Welcome and Introduction - Chairperson: Gideon Alexander

Contribution ID: 2

Type: **not specified**

NNLO predictions for Bhabha scattering

Sunday 3 October 2010 10:30 (40 minutes)

Presenter: RIEMANN, Tord (DESY)

Session Classification: Welcome and Introduction - Chairperson: Gideon Alexander

Contribution ID: 3

Type: **not specified**

Numerical results for Bhabha process at small and large angles

Sunday 3 October 2010 11:10 (30 minutes)

Presenter: Dr GLUZA, Janusz (Silesia University)

Session Classification: Welcome and Introduction - Chairperson: Gideon Alexander

Contribution ID: 4

Type: **not specified**

Preparation of multi-channel readout for testing a GaAs pad sensor

Sunday 3 October 2010 11:40 (30 minutes)

Presenter: Mr HENSCHEL, Hans Henschel (DESY)

Session Classification: Beam tests at DESY - Chairperson: Lucie Linssen

Contribution ID: 5

Type: **not specified**

Results of test beam analysis for GaAs prototype

Sunday 3 October 2010 15:10 (30 minutes)

Presenter: NOVGORODOVA, Olga (Moscow State University)

Session Classification: Beam tests at DESY, cont'd - Chairperson: Konrad Elsener

Contribution ID: 6

Type: **not specified**

Progress on ADC development, first results with multichannel ADC

Sunday 3 October 2010 14:40 (30 minutes)

Presenter: FIUTOWSKI, Tomasz (AGH University of Science and Technology)

Session Classification: Beam tests at DESY, cont'd - Chairperson: Konrad Elsener

Contribution ID: 7

Type: **not specified**

Test-beam with LumiCal sensor and front-end electronics

Sunday 3 October 2010 15:40 (30 minutes)

Presenter: AGUILAR, Jonathan (Akademia Gorniczo-Hutnicza University of Science and Technology)

Session Classification: Beam tests at DESY, cont'd - Chairperson: Konrad Elsener

Contribution ID: 8

Type: **not specified**

Tests for preparing the GaAs test beam at DESY

Sunday 3 October 2010 12:10 (30 minutes)

Presenter: Mr KOLLOWA, Sandro (BTU Cottbus / DESY Zeuthen)

Session Classification: Beam tests at DESY - Chairperson: Lucie Linssen

Contribution ID: 9

Type: **not specified**

Beam tests of novel ASICs and GaAs sensors - DAQ, calibration and preliminary results

Sunday 3 October 2010 14:10 (30 minutes)

Presenter: Mr LEVY, Itamar (Tel Aviv University)

Session Classification: Beam tests at DESY, cont'd - Chairperson: Konrad Elsener

Contribution ID: **10**

Type: **not specified**

Reconstruction of high energy electrons on top of beamstrahlung background in BeamCal

Presenter: Mrs STANESCU-BELLU, Madalina (West University Timisoara, DESY-Zeuthen)

Contribution ID: 11

Type: **not specified**

Single electron reconstruction efficiency in the BeamCal

Presenter: NOVGORODOVA, Olga (Moscow State University)

Contribution ID: 12

Type: **not specified**

An update on systematics at higher ILC energies

Presenter: SMILJANIC, Ivan (Vinca Institute of Nuclear Sciences)

Contribution ID: 13

Type: **not specified**

Comparison of test-beam data with MC simulation

Presenter: PAWLIK, Bogdan (Institute of Nuclear Physics PAN)

Contribution ID: 14

Type: **not specified**

Redesign of LumiCal mechanical structure

Presenter: Mr WIERBA, Wojciech (Institute of Nuclear Physics PAS, Cracow)

Contribution ID: 15

Type: **not specified**

Reconstruction of high energy electrons on top of beamstrahlung background in BeamCal

Sunday 3 October 2010 16:50 (30 minutes)

Presenter: Mrs STANESCU-BELLU, Madalina (West University Timisoara, DESY-Zeuthen)

Session Classification: Simulations - Chairperson: Ivanka Bozovic-Jelisavcic

Contribution ID: 16

Type: **not specified**

Single electron reconstruction efficiency in BeamCal

Sunday 3 October 2010 17:20 (30 minutes)

Presenter: NOVGORODOVA, Olga (Moscow State University)

Session Classification: Simulations - Chairperson: Ivanka Bozovic-Jelisavcic

Contribution ID: 17

Type: **not specified**

Comparison of test-beam data with MC simulation

Sunday 3 October 2010 17:50 (30 minutes)

Presenter: Dr PAWLIK, Bogdan (Institute of Nuclear Physics PAN)

Session Classification: Simulations - Chairperson: Ivanka Bozovic-Jelisavcic

Contribution ID: **18**

Type: **not specified**

Mokka simulation studies on the Very Forward Detector components at CLIC and ILC

Monday 4 October 2010 15:30 (30 minutes)

Presenter: TEODORESCU, Eliza (National Institute of Physics and Nuclear Engineering (IFIN-HH))

Session Classification: CLIC - Chairperson: Marek Idzik

Contribution ID: 19

Type: **not specified**

Redesign of LumiCal mechanical structure

Monday 4 October 2010 10:00 (30 minutes)

Presenter: Mr WIERBA, Wojciech (Institute of Nuclear Physics PAN)

Session Classification: Simulations - cont'd - Chairperson: Cornelia Coca

Contribution ID: 20

Type: **not specified**

Luminosity measurement by ZEUS at HERAII

Monday 4 October 2010 09:30 (30 minutes)

Presenter: Mr DRUGAKOV, Vladimir (DESY)

Session Classification: Simulations - cont'd - Chairperson: Cornelia Coca

Contribution ID: 21

Type: **not specified**

Polarized positrons for future linear colliders

Monday 4 October 2010 11:00 (30 minutes)

Presenter: RIEMANN, Sabine (DESY)

Session Classification: Polarization - Chairperson: Gideon Alexander

Contribution ID: 22

Type: **not specified**

Compton polarimetry for ILC and CLIC

Monday 4 October 2010 11:30 (30 minutes)

Presenter: Dr SCHULER, Peter (DESY)

Session Classification: Polarization - Chairperson: Gideon Alexander

Contribution ID: 23

Type: **not specified**

Ultimate positron polarization for Linear Collider

Monday 4 October 2010 12:00 (30 minutes)

Presenter: Dr MIKHAILICHENKO, Alexander (Cornell U., CLASSE)

Session Classification: Polarization - Chairperson: Gideon Alexander

Contribution ID: 24

Type: **not specified**

Status and plans of the CLIC detector studi

Monday 4 October 2010 14:00 (30 minutes)

Presenter: LINSSEN, Lucie (CERN)

Session Classification: CLIC - Chairperson: Marek Idzik

Contribution ID: 25

Type: **not specified**

CLIC forward region layout and the use of BeamCal for a fast beam-tuning feedback

Monday 4 October 2010 14:30 (30 minutes)

Presenter: ELSENER, Konrad (CERN)

Session Classification: CLIC - Chairperson: Marek Idzik

Contribution ID: 26

Type: **not specified**

New BeamCal layout and radiation dose to BeamCal sensors

Monday 4 October 2010 15:00 (30 minutes)

Presenter: SAILER, André (CERN, HU Berlin)

Session Classification: CLIC - Chairperson: Marek Idzik

Contribution ID: 27

Type: **not specified**

CLIC oriented triggerless readout with time and amplitude reconstruction

Monday 4 October 2010 16:30 (30 minutes)

Presenter: Mr KULIS, Szymon (AGH University of Science and Technology)

Session Classification: CLIC cont'd - Chairperson: Bogdan Pawlik

Contribution ID: 28

Type: **not specified**

Trident events in beam-beam interactions and update on background studies at CLIC

Monday 4 October 2010 17:00 (30 minutes)

Presenter: SAILER, André (CERN, HU Berlin)

Session Classification: CLIC cont'd - Chairperson: Bogdan Pawlik

Contribution ID: 29

Type: **not specified**

LHC long term upgrade plans and the CERN accelerator R&D

Tuesday 5 October 2010 09:30 (50 minutes)

Presenter: DE RIJK, Gijs (CERN)

Session Classification: Special lecture - Chairperson: Wolfgang Lange

Contribution ID: **30**

Type: **not specified**

Discussion on future plans

Presenter: LOHMANN, Wolfgang (DESY)

Contribution ID: **31**

Type: **not specified**

Summary

Contribution ID: 32

Type: **not specified**

Summary

Tuesday 5 October 2010 10:20 (40 minutes)

Presenter: LOHMANN, Wolfgang (DESY)

Session Classification: Future plans - Chairperson: Sergey Kananov