

ILD Software and Optimization Workshop

Report of Contributions

Contribution ID: 0

Type: **not specified**

Overview and Goals for Software expert meeting

Monday, 22 February 2016 09:00 (30 minutes)

Presenter: GAEDE, Frank (DESY)

Session Classification: Software

Contribution ID: 1

Type: **not specified**

DD4hep

Monday, 22 February 2016 09:30 (20 minutes)

Session Classification: Software

Contribution ID: 2

Type: **not specified**

iLCSoft releases

Monday, 22 February 2016 09:50 (20 minutes)

Session Classification: Software

Contribution ID: 3

Type: **not specified**

ILCDirac and Grid production

Monday, 22 February 2016 10:10 (20 minutes)

Session Classification: Software

Contribution ID: 4

Type: **not specified**

ddsim - lcgeo

Monday, 22 February 2016 11:00 (30 minutes)

Presenter: SAILER, Andre (CERN)

Session Classification: Software

Contribution ID: 5

Type: **not specified**

Status and Verifcation of Simulation models

Monday, 22 February 2016 11:30 (1 hour)

Presenter: Dr LU, Shaojun (DESY) (DESY)

Session Classification: Software

Contribution ID: 6

Type: **not specified**

Tracker Digitization

Monday, 22 February 2016 14:00 (20 minutes)

Session Classification: Software

Contribution ID: 7

Type: **not specified**

Status Track Reconstruction

Monday, 22 February 2016 14:20 (20 minutes)

Presenter: VOUTSINAS, Georgios (DESY)

Session Classification: Software

Contribution ID: 8

Type: **not specified**

V0 Finder

Monday, 22 February 2016 14:40 (20 minutes)

Session Classification: Software

Contribution ID: 9

Type: **not specified**

KinkFinder

Monday, 22 February 2016 15:00 (20 minutes)

Session Classification: Software

Contribution ID: **10**

Type: **not specified**

Introduction to running the new software chain

Monday, 22 February 2016 16:00 (30 minutes)

Presenter: GAEDE, Frank (DESY)

Session Classification: Software

Contribution ID: **11**

Type: **not specified**

Creating new detectors in lcgeo/DD4hep

Monday, 22 February 2016 16:30 (30 minutes)

Presenter: Dr LU, Shaojun (DESY) (DESY)

Session Classification: Software

Contribution ID: 12

Type: **not specified**

Exercises and Examples

Monday, 22 February 2016 17:00 (1 hour)

Session Classification: Software

Contribution ID: 13

Type: **not specified**

DDMarlinPandora - DDCaloDigi status and validation

Tuesday, 23 February 2016 09:00 (20 minutes)

Presenter: Mr NIKIFOROU, Nikiforos (CERN)

Session Classification: Software

Contribution ID: 14

Type: **not specified**

Pandora Calibration

Tuesday, 23 February 2016 09:20 (30 minutes)

Presenter: GREEN, Steven (University of Cambridge (GB))

Session Classification: Software

Contribution ID: 15

Type: **not specified**

Software Compensation and Gap correction

Tuesday, 23 February 2016 09:50 (20 minutes)

Presenter: TRAN HUONG, Lan (DESY)

Session Classification: Software

Contribution ID: 16

Type: **not specified**

Pi0 Reconstruction

Tuesday, 23 February 2016 10:10 (20 minutes)

Presenter: WILSON, Graham (University of Kansas (US))

Session Classification: Software

Contribution ID: 17

Type: **not specified**

PID Tools

Tuesday, 23 February 2016 11:15 (20 minutes)

Presenters: Mr KURATA, Masakazu (The university of Tokyo); LUKIC, Strahinja (Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia)

Session Classification: Software

Contribution ID: **18**

Type: **not specified**

Vertex Charge

Tuesday, 23 February 2016 11:35 (20 minutes)

Presenter: Mr BILOKIN, Sviatoslav (LAL Orsay)

Session Classification: Software

Contribution ID: 19

Type: **not specified**

Four-vector covariance matrix

Tuesday, 23 February 2016 11:55 (20 minutes)

Presenter: BERGGREN, Mikael (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Software

Contribution ID: 20

Type: **not specified**

standard reconstruction and DST format

Tuesday, 23 February 2016 12:35 (20 minutes)

Session Classification: Software

Contribution ID: 21

Type: **not specified**

MCTruth Information

Tuesday, 23 February 2016 12:15 (20 minutes)

Presenter: BERGGREN, Mikael (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Software

Contribution ID: 22

Type: **not specified**

Generator Working Group Meeting

Monday, 22 February 2016 20:00 (1h 30m)

Presenters: MIYAMOTO, Akiya (KEK); BERGGREN, Mikael (Deutsches Elektronen-Synchrotron (DE)); Dr ROLOFF, Philipp Gerhard (CERN); BARKLOW, Tim (Stanford Linear Accelerator Center SLAC); Dr BARKLOW, Timothy (SLAC)

Contribution ID: 23

Type: **not specified**

Open issues and task assignment

Tuesday, 23 February 2016 16:00 (30 minutes)

Session Classification: Software

Contribution ID: 24

Type: **not specified**

Discussion of Timeline

Tuesday, 23 February 2016 16:30 (30 minutes)

Session Classification: Software

Contribution ID: 25

Type: **not specified**

Wrap Up

Tuesday, 23 February 2016 17:00 (20 minutes)

Session Classification: Software

Contribution ID: 26

Type: **not specified**

Introduction and Overview

Wednesday, 24 February 2016 09:00 (20 minutes)

Presenter: GAEDE, Frank (DESY)

Session Classification: Optimization

Contribution ID: 27

Type: **not specified**

Generator Status

Wednesday, 24 February 2016 09:20 (20 minutes)

Presenter: MIYAMOTO, Akiya (KEK)

Session Classification: Optimization

Contribution ID: **28**

Type: **not specified**

ddsim

Wednesday, 24 February 2016 10:00 (20 minutes)

Presenter: SAILER, Andre (CERN)

Session Classification: Optimization

Contribution ID: 29

Type: **not specified**

ILD simulation model

Wednesday, 24 February 2016 10:20 (20 minutes)

Presenter: Dr LU, Shaojun (DESY) (DESY)

Session Classification: Optimization

Contribution ID: **30**

Type: **not specified**

Digitization

Wednesday, 24 February 2016 12:40 (20 minutes)

Presenter: HARTBRICH, Oskar (Bergische Universitaet Wuppertal / DESY FLC)

Session Classification: Optimization

Contribution ID: **31**

Type: **not specified**

Tracking Tools

Wednesday, 24 February 2016 11:10 (20 minutes)

Presenter: VOUTSINAS, Georgios (DESY)

Session Classification: Optimization

Contribution ID: **32**

Type: **not specified**

SiD Software and Optimization

Wednesday, 24 February 2016 17:30 (30 minutes)

Presenter: Dr STRUBE, Jan (PNNL)

Session Classification: Optimization

Contribution ID: 33

Type: **not specified**

PandoraPFA and AHCal optimization

Wednesday, 24 February 2016 14:00 (30 minutes)

Presenters: Dr MARSHALL, John (University of Cambridge); GREEN, Steven (University of Cambridge (GB))

Session Classification: Optimization

Contribution ID: **34**

Type: **not specified**

DDMarlinPandora

Wednesday, 24 February 2016 14:30 (20 minutes)

Presenter: Mr NIKIFOROU, Nikiforos (CERN)

Session Classification: Optimization

Contribution ID: 35

Type: **not specified**

BeamCal Reco

Thursday, 25 February 2016 14:20 (20 minutes)

Presenter: Mr HABERMEHL, Moritz (FLC DESY)

Session Classification: Optimization

Contribution ID: 36

Type: **not specified**

PID Tools

Wednesday, 24 February 2016 11:50 (20 minutes)

Presenter: LUKIC, Strahinja (Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia)

Session Classification: Optimization

Contribution ID: 37

Type: **not specified**

Flavor Tagging Tools

Wednesday, 24 February 2016 11:30 (20 minutes)

Presenter: Mr KURATA, Masakazu (The university of Tokyo)

Session Classification: Optimization

Contribution ID: **38**

Type: **not specified**

ILCDirac

Wednesday, 24 February 2016 12:10 (15 minutes)

Presenters: SAILER, Andre (CERN); PETRIC, Marko (CERN)

Session Classification: Optimization

Contribution ID: **39**

Type: **not specified**

ILD Grid production

Wednesday, 24 February 2016 12:25 (15 minutes)

Presenter: Dr CALANCHA PAREDES, Constantino (ILC (KEK))

Session Classification: Optimization

Contribution ID: 40

Type: **not specified**

ILD Optimization Goals

Thursday, 25 February 2016 09:00 (30 minutes)

Presenter: Dr BEHNKE, Ties (DESY)

Session Classification: Optimization

Contribution ID: 41

Type: **not specified**

The CLICdp optimization process

Thursday, 25 February 2016 09:30 (30 minutes)

Presenter: SAILER, Andre (CERN)

Session Classification: Optimization

Contribution ID: 42

Type: **not specified**

From Monte Carlo to Reality - Experiences from ATLAS

Thursday, 25 February 2016 10:00 (30 minutes)

Presenter: STYLES, Nicholas (DESY)

Session Classification: Optimization

Contribution ID: 43

Type: **not specified**

Technical Coordinator's View on Optimization

Friday, 26 February 2016 09:00 (30 minutes)

Presenter: VALLEE, Claude

Session Classification: Optimization

Contribution ID: 44

Type: **not specified**

Optimization and Cost

Friday, 26 February 2016 09:30 (30 minutes)

Presenter: Mr VIDEAU, Henri (LLR-Ecole polytechnique)

Session Classification: Optimization

Contribution ID: 45

Type: **not specified**

ILD Optimization - so far

Presenter: LIST, Jenny (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: 46

Type: **not specified**

Why do we want a TPC

Thursday, 25 February 2016 11:00 (30 minutes)

Presenter: COLAS, Paul (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Session Classification: Optimization

Contribution ID: 47

Type: **not specified**

VXD Optimization and Low pt Tracking

Thursday, 25 February 2016 11:30 (20 minutes)

Presenter: VOUTSINAS, Georgios (DESY)

Session Classification: Optimization

Contribution ID: 48

Type: **not specified**

Forward Tracker Layout

Thursday, 25 February 2016 11:50 (20 minutes)

Presenter: Dr VOS, Marcel (IFIC (UVEG/CSIC) Valencia)

Session Classification: Optimization

Contribution ID: 49

Type: **not specified**

track reconstruction in non-homogeneous B-field

Thursday, 25 February 2016 12:10 (20 minutes)

Presenter: Mr LI, Bo (LLR)

Session Classification: Optimization

Contribution ID: 50

Type: **not specified**

Hcal Granularity and Reconstruction Schemes

Thursday, 25 February 2016 16:00 (30 minutes)

Presenter: SEFKOW, Felix (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Optimization

Contribution ID: 51

Type: **not specified**

SDHcal Software status and Optimzation

Thursday, 25 February 2016 16:30 (20 minutes)

Presenter: Dr KURCA, Tibor (IPN Lyon)

Session Classification: Optimization

Contribution ID: 52

Type: **not specified**

SciEcal Reconstruction and Optimization

Thursday, 25 February 2016 16:50 (20 minutes)

Presenter: JEANS, Daniel (University of Tokyo)

Session Classification: Optimization

Contribution ID: 53

Type: **not specified**

SiEcal Optimization

Thursday, 25 February 2016 17:10 (20 minutes)

Presenter: BOUDRY, Vincent (Centre National de la Recherche Scientifique (FR))

Session Classification: Optimization

Contribution ID: 54

Type: **not specified**

forward region - new L*

Thursday, 25 February 2016 14:00 (20 minutes)

Presenter: Ms BORTKO, Lucia (DESY)

Session Classification: Optimization

Contribution ID: 55

Type: **not specified**

background studies - tbc

Contribution ID: 56

Type: **not specified**

Integration and MDI aspects

Thursday, 25 February 2016 14:40 (20 minutes)

Presenter: Dr BUESSER, Karsten (DESY)

Session Classification: Optimization

Contribution ID: 57

Type: **not specified**

Yoke Optimization and B-field

Friday, 26 February 2016 11:00 (20 minutes)

Presenter: Dr SCHNEEKLOTH, Uwe (DESY)

Session Classification: Optimization

Contribution ID: 58

Type: **not specified**

Physics Coordinator's view on detector optimization

Friday, 26 February 2016 10:00 (30 minutes)

Presenter: FUJII, Keisuke (IPNS, KEK)

Session Classification: Optimization

Contribution ID: 59

Type: **not specified**

Physics benchmarks

Friday, 26 February 2016 11:40 (20 minutes)

Presenter: Dr TIAN, Junping (KEK)

Session Classification: Optimization

Contribution ID: **60**

Type: **not specified**

Detector Benchmarks

Friday, 26 February 2016 11:20 (20 minutes)

Presenter: BERGGREN, Mikael (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Optimization

Contribution ID: **62**

Type: **not specified**

Wrap Up and Plans

Friday, 26 February 2016 12:30 (30 minutes)

Presenter: Dr BEHNKE, Ties (DESY)

Session Classification: Optimization

Contribution ID: **63**

Type: **not specified**

Arbor v3

Wednesday, 24 February 2016 14:50 (20 minutes)

Presenter: Mr LI, Bo (LLR)

Session Classification: Optimization

Contribution ID: **64**

Type: **not specified**

PID with Arbor and Garlic

Wednesday, 24 February 2016 15:10 (20 minutes)

Presenter: Mrs YU, DAN (LLR)

Session Classification: Optimization

Contribution ID: 65

Type: **not specified**

Hybrid Ecal Optimization

Thursday, 25 February 2016 17:30 (20 minutes)

Presenter: Dr SUEHARA, Taikan (Kyushu University)

Session Classification: Optimization

Contribution ID: **66**

Type: **not specified**

Discussion

Friday, 26 February 2016 12:00 (30 minutes)

Session Classification: Optimization

Contribution ID: 67

Type: **not specified**

Software Wrap-Up & Discussion

Wednesday, 24 February 2016 18:00 (20 minutes)

Presenter: GAEDE, Frank (DESY)

Session Classification: Optimization

Contribution ID: **68**

Type: **not specified**

Software: Generators & Time for hands-on work

Tuesday, 23 February 2016 14:00 (1h 30m)

Presenter: MIYAMOTO, Akiya (KEK)

Session Classification: Software

Contribution ID: **69**

Type: **not specified**

DD4hep Overview and Status

Wednesday, 24 February 2016 09:40 (20 minutes)

Presenter: Dr FRANK, Markus (CERN)

Session Classification: Optimization

Contribution ID: 70

Type: **not specified**

Workshop Dinner

Wednesday, 24 February 2016 19:30 (2h 30m)

Contribution ID: 71

Type: **not specified**

Registration

Monday, 22 February 2016 08:30 (30 minutes)

Contribution ID: 72

Type: **not specified**

Registration

Tuesday, 23 February 2016 08:30 (30 minutes)

Contribution ID: 73

Type: **not specified**

Registration

Wednesday, 24 February 2016 08:30 (30 minutes)

Contribution ID: 74

Type: **not specified**

Remote connection

<https://vidyoportal.cern.ch/flex.html?roomdirect.html&key=oqZ2sxvIhIioUMstGRqq7sUzAA>
PIN: 7638

Contribution ID: 75

Type: **not specified**

Data Quality Monitoring for HEP

Tuesday, 23 February 2016 11:00 (15 minutes)

Presenters: ETE, Remi (Universite Claude Bernard-Lyon I (FR)); ETÉ, Rémi (CNRS/IPNL)

Session Classification: Software

Contribution ID: 76

Type: **not specified**

Generators status