Session Program

22–26 Feb 2016

ILD Software and Optimization Workshop

Optimization

DESY Hamburg

Wednesday 24 February

09:00

Optimization: Core Software and Simulation
Session | **Location:** DESY Hamburg, SemR 4 | **Convener:** Jenny List

09:00–09:20 **Introduction and Overview**

Speaker
Frank Gaede

09:20–09:40 **Generator Status**

Speaker
Akiya Miyamoto

09:40–10:00 **DD4hep Overview and Status**

Speaker
Dr Markus Frank

10:00–10:20 **ddsim**

Speaker
Andre Sailer

10:20–10:40 **ILD simulation model**

Speaker
Dr Shaojun (DESY) LU

10:40

11:10

Optimization: Tracking and PID
Session | **Location:** DESY Hamburg, SemR 4 | **Convener:** Akiya Miyamoto

11:10–11:30 **Tracking Tools**

Speaker
Georgios Voutsinas

11:30–11:50 **Flavor Tagging Tools**

Speaker
Mr Masakazu Kurata

11:50–12:10 **PID Tools**

Speaker
Strahinja Lukic

12:10–12:25 **ILCDirac**

Speakers
Andre Sailer, Marko Petric

12:25–12:40 **ILD Grid production**

Speaker
Dr Constantino Calancha Paredes

12:40–13:00 **Digitization**

Speaker
Oskar Hartbrich

13:00

14:00

Optimization: PFA Tools
Session | **Location:** DESY Hamburg, SemR 4 | **Convener:** Dr Junping Tian

14:00–14:30 **PandoraPFA and AHCal optimization**

Speakers
Dr John Marshall, Steven Green

14:30–14:50 **DDMarlinPandora**

Speaker
Mr Nikiforos Nikiforou

14:50–15:10 **Arbor v3**

Speaker
Mr Bo LI

15:10–15:30 **PID with Arbor and Garlic**

Speaker
Mrs DAN YU

15:45

17:30

Optimization: SiD and Software Wrap-Up
Session | **Location:** DESY Hamburg, SemR 4 | **Convener:** Frank Gaede

17:30–18:00 **SiD Software and Optimization**

Speaker
Dr Jan Strube

18:00–18:20 **Software Wrap-Up & Discussion**

Speaker
Frank Gaede

18:50

Thursday 25 February

09:00

Optimization: General Topics
Session | **Location:** DESY Hamburg, SemR 4

09:00–09:30 **ILD Optimization Goals**

Speaker
Dr Ties Behnke

09:30–10:00 **The CLICdp optimization process**

Speaker
Andre Sailer

10:00–10:30 **From Monte Carlo to Reality - Experiences from ATLAS**

Speaker
Nicholas Styles

10:30

11:00

Optimization: Tracker Optimization
Session | **Location:** DESY Hamburg, SemR 4

11:00–11:30 **Why do we want a TPC**

Speaker
Paul Colas

11:30–11:50 **VXD Optimization and Low pt Tracking**

Speaker
Georgios Voutsinas

11:50–12:10 **Forward Tracker Layout**

Speaker
Dr Marcel Vos

12:10–12:30 **track reconstruction in non-homogeneous B-field**

Speaker
Mr Bo LI

13:00

14:00

Optimization: Forward Region and MDI
Session | **Location:** DESY Hamburg, SemR 4

14:00–14:20 **forward region - new L***

Speaker
Ms Lucia Bortko

14:20–14:40 **BeamCal Reco**

Speaker
Mr Moritz Habermehl

14:40–15:00 **Integration and MDI aspects**

Speaker
Dr Karsten Buesser

15:30

16:00

Optimization: Calorimeter
Session | **Location:** DESY Hamburg, SemR4

16:00–16:30   **Hcal Granularity and Reconstruction Schemes**

Speaker
Felix Sefkow

16:30–16:50   **SDHcal Software status and Optimzation**

Speaker
Dr Tibor Kurca

16:50–17:10   **SciEcal Reconstruction and Optimization**

Speaker
Daniel Jeans

17:10–17:30   **SiEcal Optimization**

Speaker
Vincent Boudry

17:30–17:50   **Hybrid Ecal Optimization**

Speaker
Dr Taikan Suehara

18:00

Friday 26 February

09:00

Optimization: Detector Layout
Session | **Location:** DESY Hamburg, SemR 4

09:00–09:30 **Technical Coordinator's View on Optimization**

Speaker
Claude Vallee

09:30–10:00 **Optimization and Cost**

Speaker
Mr Henri Videau

10:00–10:30 **Physics Coordinator's view on detector optimization**

Speaker
Keisuke Fujii

10:30

11:00

Optimization: Physics and Closeout
Session | **Location:** DESY Hamburg, SemRm4

11:00–11:20 **Yoke Optimization and B-field**

Speaker
Dr Uwe Schneekloth

11:20–11:40 **Detector Benchmarks**

Speaker
Mikael Berggren

11:40–12:00 **Physics benchmarks**

Speaker
Dr Junping Tian

12:00–12:30 **Discussion**

12:30–13:00 **Wrap Up and Plans**

Speaker
Dr Ties Behnke

13:00