

Session Program

22-26 Feb 2016

ILD Software and Optimization Workshop

Software

DESY Hamburg

Monday 22 February

09:00

Software: Discussion: Core Tools

Session | **Location:** DESY Hamburg, SemR 4a

09:00–09:30

Overview and Goals for Software expert meeting

Speaker

Frank Gaede

09:30–09:50

DD4hep

09:50–10:10

iLCSoft releases

10:10–10:30

ILCDirac and Grid production

10:30

11:00

Software: Discussion: Simulation

Session | **Location:** DESY Hamburg, SemR 4a

11:00–11:30

ddsim - lcgeo

Speaker

Andre Sailer

11:30–12:30

Status and Verifcation of Simulation models

Speaker

Dr Shaojun (DESY) LU

13:00

14:00

Software: Discussion: Tracking

Session | **Location:** DESY Hamburg, SemR 4a

14:00–14:20

Tracker Digitization

14:20–14:40

Status Track Reconstruction

Speaker

Georgios Voutsinas

14:40–15:00

V0 Finder

15:00–15:20

KinkFinder

15:30

16:00

Software: Tutorial

Session | **Location:** DESY Hamburg, SemR 4a

16:00–16:30

Introduction to running the new software chain

Speaker

Frank Gaede

16:30–17:00

Creating new detectors in lcgeo/DD4hep

18:00

Speaker

Dr Shaojun (DESY) LU

17:00-18:00

Exercises and Examples

Tuesday 23 February

09:00

Software: Discussion: Calorimeter Reconstruction - PFA

Session | Location: DESY Hamburg, BAH1

09:00–09:20 **DDMarlinPandora - DDCaloDigi status and validation**

Speaker

Mr Nikiforos Nikiforou

09:20–09:50 **Pandora Calibration**

Speaker

Steven Green

09:50–10:10 **Software Compensation and Gap correction**

Speaker

Lan Tran Huong

10:10–10:30 **Pi0 Reconstruction**

Speaker

Graham Wilson

10:30

11:00

Software: Discussion: High Level Reconstruction

Session | Location: DESY Hamburg, BAH 1

11:00–11:15 **Data Quality Monitoring for HEP**

Speakers

Remi Ete, Rémi Eté

11:15–11:35 **PID Tools**

Speakers

Mr Masakazu Kurata, Strahinja Lukic

11:35–11:55 **Vertex Charge**

Speaker

Mr Sviatoslav Bilokin

11:55–12:15 **Four-vector covariance matrix**

Speaker

Mikael Berggren

12:15–12:35 **MCTruth Information**

Speaker

Mikael Berggren

12:35–12:55 **standard reconstruction and DST format**

13:00

14:00

Software: Generators and time for hands-on work**Session** | **Location:** DESY Hamburg

14:00–15:30

Software: Generators & Time for hands-on work**Speaker**

Akiya Miyamoto

15:30

16:00

Software: Overflow and Wrap Up**Session** | **Location:** DESY Hamburg, BAH1

16:00–16:30

Open issues and task assignment

16:30–17:00

Discussion of Timeline

17:00–17:20

Wrap Up

17:30