

Session Program

15-18 Mar 2021



International Workshop on Future Linear Colliders, LCWS2021

PD4: Software & Detector Performance

Zoom, Online Conference

Monday 15 March

22:00

PD4: Software & Detector Performance

Session | **Location:** Zoom, Online Conference | **Conveners:**

Manqi Ruan, Andre Sailer, Daniel Jeans, Frank-Dieter Gaede, Adrian Irles, Graham Wilson, Jan Strube

22:00–22:20

The mini-DST - a high-level LCIO format

Speaker

Dr Shin-ichi Kawada

22:20–22:40

EDM4hep an event data model for future collider studies

Speaker

Thomas Madlener

22:40–23:00

Key4hep: Progress on Common Software

Speaker

Valentin Volkl

23:00–23:20

Integrating iLCSoft into Key4hep

Speaker

Placido Fernandez Declara

23:20–23:40

iLCDirac Status and Plans

Speaker

Andre Sailer

23:40–23:59

Status of ILD new 250 GeV common MC sample production

Speaker

Hiroaki Ono

23:59

Wednesday 17 March

06:00

PD4: Software & Detector Performance

Session | **Location:** Zoom, Online Conference | **Conveners:**

Graham Wilson, Adrian Irlles, Andre Sailer, Jan Strube, Manqi Ruan, Frank-Dieter Gaede, Daniel Jeans

06:00–06:20

Alternative approach of kinematic fitting for arbitrary resolution functions

Speaker

Mr Yu Kato

06:20–06:40

R&D of the Machine Learning Application to the Collider Experiments

Speaker

Masako Iwasaki

06:40–07:00

Construct Deep Jet Clustering

Speaker

Masakazu Kurata

07:00–07:20

Development of a Vertex Finding Algorithm using Recurrent Neural Network

Speakers

Taikan Suehara, Mr Kiichi Goto

07:20–07:40

Machine Learning for Tau identification in the IDEA Dual readout calorimeter

Speakers

Stefano Giagu, Luca torresi

07:40–07:59

High Fidelity Shower Simulation with Generative Networks

Speakers

Engin Eren, Frank-Dieter Gaede

07:59