

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

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Graham Wilson, Adrian Irles, 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