

Session Program

10-14 Jan 2022



30th International Symposium on Lepton Photon Interactions at High Energies

Future experiments and facilities

Online only

Monday 10 January

16:15

Future experiments and facilities: Poster session

Session | **Location:** Online only

16:17-16:18

Jet energy calibration and study of Left-Right Asymmetry using $e^+e^- \rightarrow \gamma Z$ process at the ILC

Speakers

Takahiro Mizuno, Takahiro Mizuno

16:21-16:22

Measurement of $\sigma(e^+e^- \rightarrow HZ) \times \text{Br}(H \rightarrow ZZ^*)$ at the 250 GeV ILC

Speaker

Evgeny Antonov

16:24-16:25

Reconstructing muons at a Muon Collider

Speaker

Chiara Aime'

16:25-16:26

CLICdp-Pub-2021 Optimising top-quark threshold scan at CLIC using genetic algorithm

Speaker

Kacper Nowak

16:26-16:27

Probing Lorentz Invariance Violation with Atmospheric Neutrinos at INO-ICAL

Speaker

Mr SADASHIV SAHOO

16:27-16:28

$H \rightarrow \mu\mu$ at a 3-TeV muon collider

Speakers

A. M., Alessandro Montella

16:28-16:29

The challenge of track reconstruction at a multi-TeV muon collider

Speaker

Nazar Bartosik

16:29-16:30

Quark production in high energy electron positron collisions: from strange to top

Speaker

Yuichi Okugawa

16:30-16:31

Higgs invisible and rare decays at ILC

Speaker

Bethany Suter

16:31-16:32

t-quark physics at ILC

Speaker

Adrian Irles

16:32-16:33 ILC Higgs Physics Potential**Speaker**

Shin-ichi Kawada

16:33-16:34 New physics searches with the ILD detector at the ILC**Speaker**

Mikael Berggren

16:34-16:35 The Water Cherenkov Test Experiment at CERN**Speaker**

Dr Lauren Anthony

16:35-16:36 Heavy Neutrinos at Future Linear e+e- Colliders**Speaker**

Mr Krzysztof Mekala

16:36-16:37**Sensitivity of future e+e- colliders to processes of dark matter production with light mediator exchange****Speaker**

Jan Henryk Kalinowski

16:37-16:38 Probing dark matter with ILC**Speaker**

Aleksander Filip Zarnecki

16:38-16:39 Electrons for the HL-LHC**Speaker**

Christian Schwanenberger

17:15

Tuesday 11 January

16:30

Future experiments and facilities: Parallel 1

Session | **Location:** Online only | **Convener:** Chris Parkes

16:30–16:50 **New ideas on detector technology for the ILC experiments**

Speaker

Maksym Titov

16:50–17:10 **Prospects for observing the charged IDM scalars at high energy CLIC**

Speaker

Jan Franciszek Klamka

17:10–17:30 **Higgs measurements at the Future Circular Colliders**

Speaker

Nikolaos Rompotis

17:30–17:50 **Electron Yukawa determination at FCC-ee**

Speaker

David d'Enterria

17:50–18:10

The Intermediate Water Cherenkov Detector for the Hyper-Kamiokande experiment

Speaker

Nick Prouse

18:10

Wednesday 12 January

11:20

Future experiments and facilities: Parallel 2

Session | **Location:** Online only | **Convener:** Nita Sinha

11:20–11:40 The ESS based neutrino Super Beam Experiment (ESS ν SB)

Speaker

Tamer Tolba

11:40–12:00

Development of the BCM' system for beam abort and luminosity determination at the HL-LHC based on polycrystalline CVD diamond

Speaker

Bojan Hiti

12:00–12:20

Detector performance and physics reach of at Muon Collider

Speaker

Massimo Casarsa

12:20–12:40

The CYGNO Experiment

Speaker

Davide Pinci

12:40–13:00

LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions

Speaker

Ruth Magdalena Jacobs

13:00

Friday 14 January

14:00

Future experiments and facilities: 1

Session | **Location:** Online only | **Convener:** Alexey Petrov

14:00–14:20 **Electron Ion collider**

Speaker

Haiyan Gao

14:20–14:45 **Future high energy frontier experiments**

Speaker

Christian Ohm

14:45–15:10 **Future flavour experiments**

Speaker

Dr Matteo Palutan

15:10–15:35 **Future neutrino experiments**

Speaker

Elizabeth Turner Worcester

15:35–16:00 **Future muon initiatives**

Speaker

Rebecca Chislett

16:00