

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 $\sigma(e^+e^- \rightarrow HZ) \times Br(H \rightarrow ZZ^*)$ 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