

# **ECFA Focus topic: LLPs - round table**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Monday 29 April 2024 14:00 (20 minutes)*

**Presenter:** GONZALEZ SUAREZ, Rebeca (Uppsala University (SE))

Contribution ID: 2

Type: **not specified**

## **FCC-ee (offline)**

*Monday 29 April 2024 14:20 (5 minutes)*

**Presenter:** ALIMENA, Juliette (DESY)

**Session Classification:** Short status

Contribution ID: 3

Type: **not specified**

## **ILD**

*Monday 29 April 2024 14:25 (5 minutes)*

**Presenter:** ZARNECKI, Aleksander (University of Warsaw (PL))

**Session Classification:** Short status

Contribution ID: 4

Type: **not specified**

## SiD / CLIC

*Monday 29 April 2024 14:30 (5 minutes)*

**Presenters:** KUCHARCZYK, Marcin (Polish Academy of Sciences (PL)); KUCHARCZYK, Marcin (Polish Academy of Sciences (PL))

**Session Classification:** Short status

Contribution ID: 5

Type: **not specified**

## Theory

*Monday 29 April 2024 14:35 (5 minutes)*

**Presenter:** HAJER, Jan (Universidade de Lisboa)

**Session Classification:** Short status

Contribution ID: 6

Type: **not specified**

## LHC

*Monday 29 April 2024 14:40 (5 minutes)*

**Presenter:** TORRO PASTOR, Emma (Univ. of Valencia and CSIC (ES))

**Session Classification:** Short status

Contribution ID: 7

Type: **not specified**

## **Detector/Generator requirements**

*Monday 29 April 2024 14:45 (5 minutes)*

**Presenter:** WILLIAMS, Sarah Louise (University of Cambridge (GB))

**Session Classification:** Short status

Contribution ID: 8

Type: **Talk (1-2 slides)**

## **Z boson decay into a (pseudo)scalar and photon at the FCC-ee/CEPC**

*Monday 29 April 2024 14:55 (5 minutes)*

**Primary authors:** JOURD'HUI, Elise (IP2I Lyon, France); CACCIAPAGLIA, Giacomo (Centre National de la Recherche Scientifique (FR)); MOREAU, Gregory; XIAO, Jie (IP2I Lyon, France); MUKHERJEE, Sakadrita (Indian Institute of Science, Bengaluru, India); GASCON-SHOTKIN, Suzanne (IPN Lyon/Universite Claude Bernard Lyon 1); SRIVASTAVA, Tripurari (University of Delhi, India)

**Presenter:** CACCIAPAGLIA, Giacomo (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Short status

Contribution ID: 9

Type: **Offline talk (1-2 slides)**

## **Dark jets signatures enriched in hadrons/photons/leptons (offline)**

*Monday 29 April 2024 15:00 (5 minutes)*

**Primary author:** DE COSA, Annapaola (ETH Zurich (CH))

**Presenter:** DE COSA, Annapaola (ETH Zurich (CH))

**Session Classification:** Short status

Contribution ID: 10

Type: **Talk (1-2 slides)**

## Realistic HNL model at FCC-ee

*Monday 29 April 2024 15:10 (5 minutes)*

**Primary authors:** PRESILLA, Matteo (KIT - Karlsruhe Institute of Technology (DE)); GIAPPICHINI, Sofia (KIT - Karlsruhe Institute of Technology (DE))

**Presenters:** PRESILLA, Matteo (KIT - Karlsruhe Institute of Technology (DE)); GIAPPICHINI, Sofia (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** Short status

Contribution ID: 11

Type: **not specified**

## Pixel/Vertexing Detectors for LLPs

*Monday 29 April 2024 15:30 (5 minutes)*

**Primary author:** GONSKI, Julia Lynne (SLAC National Accelerator Laboratory (US))

**Presenter:** GONSKI, Julia Lynne (SLAC National Accelerator Laboratory (US))

**Session Classification:** Short status

Contribution ID: 12

Type: **Offline talk (1-2 slides)**

## Exotic Higgs decays at the FCC-ee (offline)

*Monday 29 April 2024 15:15 (5 minutes)*

**Primary authors:** GALLEN, Axel (Uppsala University (SE)); RIPELLINO, Giulia (Uppsala University (SE)); VANDE VOORDE, Magdalena (KTH Royal Institute of Technology (SE)); GONZALEZ SUAREZ, Rebeca (Uppsala University (SE))

**Presenter:** RIPELLINO, Giulia (Uppsala University (SE))

**Session Classification:** Short status

Contribution ID: 13

Type: **Talk (1-2 slides)**

## Searches for displaced vertices at the ILD

*Monday 29 April 2024 15:25 (5 minutes)*

**Primary author:** KLAMKA, Jan Franciszek (University of Warsaw (PL))

**Co-author:** ZARNECKI, Aleksander (University of Warsaw (PL))

**Presenter:** KLAMKA, Jan Franciszek (University of Warsaw (PL))

**Session Classification:** Short status

Contribution ID: 14

Type: **Talk (1-2 slides)**

## **Triple Higgs couplings at LHC and ILC**

*Monday 29 April 2024 15:35 (5 minutes)*

**Primary author:** Dr RICHARD, Francois (IJCLAB)

**Presenter:** Dr RICHARD, Francois (IJCLAB)

**Session Classification:** Short status

Contribution ID: 15

Type: **Talk (1-2 slides)**

## **Probing HNLs in FCCee using Machine Learning Methods**

*Monday 29 April 2024 14:50 (5 minutes)*

**Primary authors:** SFYRLA, Anna (Universite de Geneve (CH)); KONTAXAKIS, Pantelis (Universite de Geneve (CH)); CRITCHLEY, Thomas Matthew (Universite de Geneve (CH))

**Presenters:** KONTAXAKIS, Pantelis (Universite de Geneve (CH)); CRITCHLEY, Thomas Matthew (Universite de Geneve (CH))

**Session Classification:** Short status

Contribution ID: 16

Type: **Talk (1-2 slides)**

## **Measurement of the HNL properties at the FCC-ee**

*Monday 29 April 2024 15:20 (5 minutes)*

**Primary authors:** POLESELLO, Giacomo (INFN, Sezione di Pavia (IT)); VALLE, Nicolo (INFN Sezione di Pavia (IT))

**Presenters:** POLESELLO, Giacomo (INFN, Sezione di Pavia (IT)); VALLE, Nicolo (INFN Sezione di Pavia (IT))

**Session Classification:** Short status

Contribution ID: 17

Type: **Talk (1-2 slides)**

## Dark Showers From Z Portal

*Monday 29 April 2024 15:05 (5 minutes)*

**Primary authors:** SALVIONI, Ennio (University of Sussex (GB)); CHENG, Hsin-Chia; LI, LINGFENG (Brown U.); JIANG, Xuhui (Institute of High Energy Physics)

**Presenter:** JIANG, Xuhui (Institute of High Energy Physics)

**Session Classification:** Short status