

# **35th FCAL Collaboration workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome

*Thursday 19 September 2019 09:00 (5 minutes)*

**Presenter:** SCHUWALOW, Sergej

**Session Classification:** session1

Contribution ID: 2

Type: **not specified**

## Welcome from DESY management

*Thursday 19 September 2019 09:05 (25 minutes)*

**Presenter:** BEHNKE, Ties (ties.behnke@desy.de)

**Session Classification:** session1

Contribution ID: 3

Type: **not specified**

## Charge of the workshop

*Thursday 19 September 2019 09:30 (20 minutes)*

**Presenter:** LOHMANN, Wolfgang Friedrich (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** session1

Contribution ID: 4

Type: **not specified**

## **LUXE - physics case and plan of the experiment**

*Thursday 19 September 2019 11:20 (30 minutes)*

**Presenter:** WING, Matthew

**Session Classification:** session2 Chairman: Wolfgang

Contribution ID: 5

Type: **not specified**

## **LUXE experimental conditions and detector design**

*Thursday 19 September 2019 11:50 (15 minutes)*

**Presenter:** BORYSOV, Oleksandr (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** session2 Chairman: Wolfgang

Contribution ID: 6

Type: **not specified**

## **ILC future**

*Thursday 19 September 2019 09:50 (25 minutes)*

**Presenter:** BUESSER, Karsten (DESY)

**Session Classification:** session1

Contribution ID: 7

Type: **not specified**

## **Lumi measurement at FCC**

*Thursday 19 September 2019 10:15 (20 minutes)*

**Presenter:** VOUTSINAS, Georgios Gerasimos (CERN)

**Session Classification:** session1



Contribution ID: 8

Type: **not specified**

## **Forward detector system for the LUXE experiment**

*Thursday 19 September 2019 12:05 (15 minutes)*

**Presenter:** BORYSOVA, Maryna (National Academy of Sciences of Ukraine (UA))

**Session Classification:** session2 Chairman: Wolfgang

Contribution ID: 9

Type: **not specified**

## **LumiCal design for the CEPC**

*Thursday 19 September 2019 11:00 (20 minutes)*

**Presenter:** ZHU, Hongbo (Chinese Academy of Sciences (CN))

**Session Classification:** session2 Chairman: Wolfgang

Contribution ID: **10**

Type: **not specified**

## **Radiation hard HR GaAs: Cr sensors based on p-n-n structures**

*Thursday 19 September 2019 13:30 (20 minutes)*

**Presenter:** TYAZHEV, Anton

**Session Classification:** session3 Chairman: Marek

Contribution ID: 11

Type: **not specified**

## **FLAME-based DAQ for testbeam**

*Thursday 19 September 2019 14:05 (15 minutes)*

**Presenter:** MORON, Jakub (AGH University of Science and Technology (PL))

**Session Classification:** session3 Chairman: Marek

Contribution ID: 12

Type: **not specified**

## **DSP and signal reconstruction for FLAME readout**

*Thursday 19 September 2019 14:20 (20 minutes)*

**Presenter:** LAPKIN, Aleksandr (Joint Institute for Nuclear Research (RU))

**Session Classification:** session3 Chairman: Marek

Contribution ID: 13

Type: **not specified**

## **Latest version of BeamCal chip design**

*Thursday 19 September 2019 14:40 (20 minutes)*

**Presenter:** ABUSLEME HOFFMAN, Angel Christian (Pontifical Catholic University of Chile (CL))

**Session Classification:** session3 Chairman: Marek

Contribution ID: 14

Type: **not specified**

## **News on hardware / tungsten plates**

**Presenter:** TBA

**Session Classification:** session3 Chairman: Marek

Contribution ID: 15

Type: **not specified**

## **Beam-induced background effects in the ILD of the future ILC collider**

*Thursday 19 September 2019 15:30 (20 minutes)*

**Presenter:** KHURANOVA, Zhanna

**Session Classification:** session4 Chairman:



Contribution ID: 16

Type: **not specified**

## **Evolution of iLCSoft towards the common software stack Key4HEP**

*Thursday 19 September 2019 15:50 (20 minutes)*

**Presenter:** SALIER, Andre

**Session Classification:** session4 Chairman:

Contribution ID: 17

Type: **not specified**

## **Study of back-scattering in LumiCal test beam 2016**

*Thursday 19 September 2019 16:10 (15 minutes)*

**Presenter:** Mr DUDAR, Bohdan (Taras Shevchenko National University of Kyiv)

**Session Classification:** session4 Chairman:

Contribution ID: **18**

Type: **not specified**

## **Optimization of ECAL for the LUXE experiment**

*Thursday 19 September 2019 16:25 (15 minutes)*

**Presenter:** SHCHEDROLOSIEV, Mykyta

**Session Classification:** session4 Chairman:

Contribution ID: 19

Type: **not specified**

## **Beam spread determination for luminosity measurement @ CEPC**

*Thursday 19 September 2019 16:40 (15 minutes)*

**Presenter:** SMILJANIC, Ivan (Vinca Institute of Nuclear Sciences)

**Session Classification:** session4 Chairman:

Contribution ID: 20

Type: **not specified**

## Institution Board

*Thursday 19 September 2019 17:00 (1 hour)*

Convener: Aharon Levy - Wolfgang Lohmann

**Primary authors:** LEVY, Aharon (Tel Aviv University (IL)); LOHMANN, Wolfgang Friedrich (Deutsches Elektronen-Synchrotron (DE))

**Presenters:** LEVY, Aharon (Tel Aviv University (IL)); LOHMANN, Wolfgang Friedrich (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** Institution Board

Contribution ID: 21

Type: **not specified**

## **Update on the AIDA mechanical infrastructure and tungsten plates**

*Friday 20 September 2019 09:00 (20 minutes)*

**Presenter:** ELSENER, Konrad (CERN)

**Session Classification:** session5 Chairman:

Contribution ID: 22

Type: **not specified**

## Report from Hardware WG coordinator

*Friday 20 September 2019 09:35 (15 minutes)*

**Presenter:** IDZIK, Marek (AGH University of Science and Technology (PL))

**Session Classification:** session5 Chairman:

Contribution ID: 23

Type: **not specified**

## **Reports: from SW&Simulation WG coordinator & from the PUB & Speaker committee**

*Friday 20 September 2019 09:50 (20 minutes)*

**Presenter:** GHENESCU, Veta

**Session Classification:** session5 Chairman:



Contribution ID: 24

Type: **not specified**

## Report from technical coordinator

*Friday 20 September 2019 10:10 (15 minutes)*

**Presenter:** BENHAMMOU, Yan (Tel Aviv University (IL))

**Session Classification:** session5 Chairman:

Contribution ID: 25

Type: **not specified**

## Discussion on testbeam

**Primary authors:** HENSCHTEL, Hans (DESY); BORYSOV, Oleksandr (Deutsches Elektronen-Synchrotron (DE)); BENHAMMOU, ALL, Yan (Tel Aviv University (IL))

**Presenters:** HENSCHTEL, Hans (DESY); BORYSOV, Oleksandr (Deutsches Elektronen-Synchrotron (DE)); BENHAMMOU, ALL, Yan (Tel Aviv University (IL))

**Session Classification:** session6

Contribution ID: 26

Type: **not specified**

## Summary of the workshop

**Presenter:** LOHMANN, Wolfgang Friedrich (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** session6

Contribution ID: 27

Type: **not specified**

## **Reserved for additional discussions**

*Friday 20 September 2019 13:50 (1h 30m)*

**Session Classification:** session7

Contribution ID: 28

Type: **not specified**

## Collaboration Photo

*Thursday 19 September 2019 12:20 (10 minutes)*

**Session Classification:** session2 Chairman: Wolfgang

Contribution ID: 29

Type: **not specified**

## **Status of FLAME development**

*Thursday 19 September 2019 13:50 (15 minutes)*

**Presenters:** FIRLEJ, Mirek; FIRLEJ, Mirosław (AGH University of Science and Technology (PL))

**Session Classification:** session3 Chairman: Marek

Contribution ID: **30**

Type: **not specified**

## **Report from the Institute Board**

*Friday 20 September 2019 10:25 (15 minutes)*

**Presenters:** LEVY, Aharon (Tel Aviv University (IL)); LOHMANN, Wolfgang Friedrich (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** session5 Chairman:

Contribution ID: **31**

Type: **not specified**

## **News on hardware / tungsten plates**

**Presenter:** CERN (TBA)

**Session Classification:** session5 Chairman:



Contribution ID: 32

Type: **not specified**

## **Beam spread determination for luminosity measurement @ CEPC**

*Friday 20 September 2019 09:20 (15 minutes)*

**Presenter:** SMILJANIC, Ivan (Vinca Institute of Nuclear Sciences)

**Session Classification:** session5 Chairman:

Contribution ID: 33

Type: **not specified**

## Discussion on testbeam

**Presenter:** BENHAMMOU, Yan (Tel Aviv University (IL))

**Session Classification:** session6

Contribution ID: 34

Type: **not specified**

## **Testbeam: Dual APV Adapter**

*Friday 20 September 2019 11:15 (20 minutes)*

**Presenter:** HENSCHEL, Hans Henschel (DESY)

**Session Classification:** session6

Contribution ID: 35

Type: **not specified**

## **Testbeam: Luxe**

*Friday 20 September 2019 11:35 (20 minutes)*

**Presenter:** BORISOV, Oleksandr

**Session Classification:** session6

Contribution ID: 36

Type: **not specified**

## **Testbeam: Flame**

*Friday 20 September 2019 11:55 (25 minutes)*

**Presenter:** BENHAMMOU, Yan (Tel Aviv University (IL))

**Session Classification:** session6

Contribution ID: 37

Type: **not specified**

## Summary of the workshop

*Friday 20 September 2019 12:20 (30 minutes)*

**Presenter:** LOHMANN, Wolfgang Friedrich (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** session6