

## **Session Program**

**Nov 10 - 13, 2020**



## **4th FCC Physics and Experiments Workshop**

***Joint TH-EXP session***

## Tue, November 10

9:00 AM

### Joint TH-EXP session: Welcome to the FCC physics program Session

9:00 – 9:15 AM **Welcome address**

**Speaker**

Joachim Mnich

9:15 – 9:40 AM **FCC-ee Physics Experiments and Detector Study; goals and plans**

**Speaker**

Alain Blondel

9:40 – 10:05 AM **FCC-ee: the experimental challenge**

**Speaker**

Mogens Dam

10:05 – 10:30 AM **FCC-ee: the challenge for theory**

**Speakers**

Janusz Gluza, Janusz Gluza

11:00 AM

5:15 PM

### Joint TH-EXP session: Round table Discussion

**Session** |

**Location:** panelists: - Michael Benedikt (CERN) - Daniela Bortoletto (Oxford) - Themis Bowcock (Liverpool) -

**Conveners:** Beate Heinemann, David Anthony Milstead - Aida X El-Khadra (Illinois) - Christophe Grojean (DESY) - Matthew McCullough (CERN) - Sarah Williams (Cambridge) |

5:15 – 6:15 PM **Engaging the theory and experimental communities**

**Speakers**

Beate Heinemann, David Anthony Milstead

6:15 PM

# Wed, November 11

9:00 AM

## Joint TH-EXP session Session

9:00 - 9:20 AM

### The status of the SANC project for polarized electron-positron beams

**Speaker**

Vitaly Yermolchik

9:20 - 9:45 AM

### Simulating hard photon production with WHIZARD

**Speaker**

Jan Henryk Kalinowski

9:45 - 10:10 AM

### Resonant $e^+e^- \rightarrow$ Higgs at the FCC-ee: an unrivaled probe of the electron Yukawa coupling

**Speaker**

David d'Enterria

10:10 - 10:35 AM

### Physics with FCC-eh -- complementarity with ee and hh

**Speaker**

Christian Schwanenberger

11:00 AM

# Fri, November 13

9:00 AM

## Joint TH-EXP session Session

9:00 - 9:30 AM **Ultimate differential SMEFT analysis**

**Speaker**

Shankha Banerjee

9:30 - 10:00 AM **Low- vs High-Energy Precision**

**Speaker**

Andrea Wulzer

10:00 - 10:30 AM

**BSM at FCC: complementarity with astrophysics and non-collider experiments**

**Speakers**

Caterina Doglioni, Rebeca Gonzalez Suarez, Suchita Kulkarni

10:30 - 10:50 AM **Coffee break**

10:50 AM