

## **Session Program**

**Nov 10 - 13, 2020**



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

## ***FCC detectors I***

# Wed, November 11

2:00 PM

## FCC detectors I: Calorimeters

**Session** | **Conveners:** Franco Bedeschi, Martin Aleksa

2:00 - 2:10 PM **Introduction to CALICE**

**Speaker**

Roman Poeschl

2:10 - 2:30 PM **Technological developments**

**Speaker**

Lucia Masetti

2:30 - 2:50 PM **CALICE Results**

**Speaker**

Daniel Heuchel

2:50 - 3:10 PM **R&D on Noble Liquid Calorimetry for FCC**

**Speaker**

Brieuc Francois

3:10 - 3:30 PM **R&D on light-weight cryostats and on high-density FTs**

**Speaker**

Maria Asuncion Barba Higuera

3:30 PM

4:00 PM

## FCC detectors I: PID

**Session** | **Conveners:** Stephane Monteil, Guy Wilkinson

4:00 - 4:25 PM **Study of Bs -> Ds K at FCC-ee and constraints on detector**

**Speaker**

Roy Aleksan

4:25 - 4:50 PM **Time of flight (TOF) review**

**Speaker**

Jerry Vavra

4:50 - 5:10 PM **Timing layers**

**Speaker**

Chih-Hsiang Yeh

5:10 - 5:35 PM **PID at EIC**

**Speakers**

Thomas Hemmick, Thomas Hemmick

5:35 PM

# Thu, November 12

9:00 AM

## FCC detectors I: PID

Session | **Conveners:** Guy Wilkinson, Stephane Monteil

9:00 - 9:25 AM **Particle Identification at the Z factory**

**Speaker**

Francesco Grancagnolo

9:25 - 9:50 AM **PID with high granularity dE/dx**

**Speaker**

Ulrich Einhaus

9:50 - 10:15 AM **Flavour tagging in W decays**

**Speaker**

Paolo Azzurri

10:30 AM

11:00 AM

## FCC detectors I: Calorimetry

Session | **Conveners:** Martin Aleksa, Franco Bedeschi

11:00 - 11:20 AM **Dual-Readout R&D status and plans**

**Speaker**

Dr Aneliya Karadzhinova-Ferrer

11:20 - 11:40 AM **GEANT4 performance and analysis**

**Speaker**

Lorenzo Pezzotti

11:40 - 11:55 AM **FCCSW integration**

**Speaker**

Sang Hyun Ko

11:55 AM - 12:15 PM **Dual-readout calorimetry with segmented crystals**

**Speaker**

Marco Toliman Lucchini

12:15 - 12:30 PM **A crystal calorimeter for CEPC**

**Speaker**

Yong Liu

12:35 PM

1:30 PM

## FCC detectors I: FCC-eh detector

Session | **Convener:** Max Klein

1:30 - 1:50 PM **Introduction and Synergy**

**Speaker**

Max Klein

	<p><b>1:50 - 2:10 PM Interaction Region Design</b></p> <p><b>Speaker</b> Bernhard Holzer</p>
	<p><b>2:10 - 2:30 PM Detector for FCC-eh</b></p> <p><b>Speaker</b> Yuji Yamazaki</p>
	<p><b>2:30 - 2:50 PM PERLE Status and Plans</b></p> <p><b>Speaker</b> Walid Kaabi</p>
3:00 PM	
3:30 PM	<p><b>FCC detectors I: TDAQ &amp; Electronics</b>  <b>Session   Conveners:</b> Christos Leonidopoulos, Richard Brenner</p>
	<p><b>3:30 - 3:45 PM Event sizes @ Zpole</b></p> <p><b>Speaker</b> Francesco Grancagnolo</p>
	<p><b>3:45 - 4:00 PM Triggerless design and tracking with ultra light TPC</b></p> <p><b>Speaker</b> David Rohr</p>
	<p><b>4:00 - 4:15 PM Readout of ultra light vertex detectors</b></p> <p><b>Speaker</b> Gianluca Aglieri Rinella</p>
	<p><b>4:15 - 4:30 PM Long lived non-relativistic particles</b></p> <p><b>Speaker</b> Sinead Farrington</p>
	<p><b>4:30 - 4:45 PM LHCb TDAQ system</b></p> <p><b>Speaker</b> Tommaso Colombo</p>
	<p><b>4:45 - 5:00 PM Unsung heroes of an experiment</b></p> <p><b>Speaker</b> Richard Jacobsson</p>
5:00 PM	