

## **Session Program**

**Jun 10 - 14, 2024**



## **FCC Week 2024**

### ***Joint effort PED & accelerators***

The Westin St. Francis San Francisco on Union Square  
335 Powell St, San Francisco, CA 94102, United States

# Wed, June 12

1:30 PM

## Joint effort PED & accelerators: Machine Detector Interface (i)

Session | Location: Elizabethan A | Convener: Fabrizio Palla

13:30 - 13:50 **MDI Overview**

**Speaker**

Manuela Boscolo

13:50 - 14:05 **Mechanical model of the MDI**

**Speaker**

Francesco Francesini

14:05 - 14:20

**Optimization of the FCC-ee IR beam pipe elements for minimum of the wake field energy loss responsible for the heat load.**

**Speaker**

Alexander Novokhatski

14:20 - 14:40 **IR magnet system**

**Speaker**

John Theodore Seeman

14:40 - 15:00 **Radiation dose from Fluka simulation in the MDI area**

**Speaker**

Alessandro Frasca

3:00 PM

## Thu, June 13

10:30 AM

### Joint effort PED & accelerators: Machine Detector Interface (ii)

Session | Location: Elizabethan A | Convener: Manuela Boscolo

#### 10:30 - 10:45 Vertex detector design and integration

**Speaker**

Fabrizio Palla

#### 10:45 - 11:00 Status and Perspectives for FCC-ee Detector Background Studies

**Speaker**

Andrea Ciarna

#### 11:00 - 11:20 Synchrotron Radiation background studies

**Speaker**

Kevin Daniel Joel Andre

#### 11:20 - 11:35 Beam-gas beam losses and MDI collimators

**Speaker**

Giacomo Broggi

#### 11:35 - 11:50

#### A new framework for synchrotron radiation studies in the EIC experiment

**Speaker**

Andrii Natochii

12:00 PM

1:30 PM

### Joint effort PED & accelerators: EPOL (i)

Session | Location: Elizabethan A | Convener: Guy Wilkinson

#### 13:30 - 13:50 Introduction and overview

**Speaker**

Guy Wilkinson

#### 13:50 - 14:10 Polarized positron production

**Speaker**

Joseph Games

#### 14:10 - 14:30 Experiments at existing facilities

**Speaker**

Jacqueline Keintzel

#### 14:30 - 14:50 The EIC polarimeter, and lessons for the FCC

**Speaker**

Dave Gaskell

3:00 PM

3:30 PM

## Joint effort PED & accelerators: EPOL (ii)

**Session** | **Location:** Elizabethan A | **Convener:** Jacqueline Keintzel

15:30 - 15:48 **Simulation polarization studies at the FCC**

**Speaker**

Yi Wu

15:48 - 16:06 **Polarized electrons at the EIC, and lessons for the FCC**

**Speaker**

Georg Hoffstaetter de Torquat

16:06 - 16:24 **The FCC polarimeter**

**Speaker**

Dr Robert Kieffer

16:25 - 16:43 **First thoughts on the FCC depolarizer**

**Speaker**

Wolfgang Hofle

16:43 - 17:01

**Lessons from LEP, and final steps towards the Final Report of the Feasibility Study**

**Speaker**

Eric Torrence

5:03 PM