

## **Session Program**

**Jun 10 - 14, 2024**



## **FCC Week 2024**

### ***Accelerator technical design***

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

# Tue, June 11

10:30 AM

## Accelerator technical design: Synergies and innovation

Session | Location: Elizabethan D | Convener: Sergey Belomestnykh

10:30 - 10:50 **Synergies of FCC-ee with ILC and EIC**

**Speaker**  
Michiko Minty

10:50 - 11:10

**Conceptual Design of HTS Accelerator Magnets for Future Lepton Colliders**

**Speaker**  
Vladimir Kashikhin

11:10 - 11:30

**Design of HTS magnets for the short straight sections, the HTS4 project**

**Speaker**  
m Koratzinos

11:30 - 11:50 **Advantages of C3 technology for the injector linacs**

**Speaker**  
Emilio Nanni

12:00 PM

# Wed, June 12

1:30 PM

## Accelerator technical design: Magnets

**Session** | **Location:** Elizabethan C | **Convener:** Paolo Ferracin

13:30 - 13:48 **Collider magnet design status**

**Speakers**

Carl Jaermyr Eriksson, Jeremie Bauche

13:48 - 14:06 **Booster magnet design status**

**Speakers**

Halil Devenci, Luke Von Freeden

14:06 - 14:24 **Magnet Circuits**

**Speaker**

Byamba Wicki

14:24 - 14:42 **Status of the Arc Half Cell Mock-up project**

**Speaker**

Ms Audrey Piccini

14:42 - 15:00 **Cold test results of the final focus magnet prototype**

**Speaker**

m Koratzinos

3:00 PM

## Thu, June 13

10:30 AM

### Accelerator technical design: Injection & instrumentation

Session | Location: Elizabethan C | Convener: John D Fox

10:30 - 10:48 **Septa hardware systems**

**Speaker**

Jan Borburgh

10:48 - 11:06

#### Overview of and Challenges for the FCC-ee Fast Pulsed Beam Transfer Systems

**Speaker**

Giorgia Favia

11:06 - 11:24

#### Studies on an electro-optical longitudinal bunch profile monitor for FCC-ee

**Speaker**

Micha Reißig

11:24 - 11:42 **Transverse beam size monitoring in FCC**

**Speaker**

Daniele Butti

11:42 - 12:00 **BPM design studies**

**Speaker**

Emily Rose Howling

12:00 PM

1:30 PM

### Accelerator technical design: Vacuum and radiations

Session | Location: Elizabethan C | Convener: John Theodore Seeman

13:30 - 13:52 **Vacuum design status**

**Speakers**

Cedric Garion, Roberto Kersevan

13:52 - 14:14 **Synchrotron radiation absorber design**

**Speaker**

Marco Morrone

14:14 - 14:36 **Radiation and shielding in the FCC-ee arcs**

**Speaker**

Anton Lechner

3:00 PM

3:30 PM

### Accelerator technical design: Beam Intercepting devices

Session | Location: Elizabethan C | Convener: Andrei Seryi

15:30 - 15:50 **Beamstrahlung dump concepts**

**Speaker**

Dr Marco Calviani

15:50 - 16:10 **Beamstrahlung monitor**

**Speaker**

Dr Dmitri Liventsev

16:10 - 16:30 **Requirements for collimation system and R&D paths**

**Speaker**

Antonio Perillo Marcone

16:30 - 16:50 **Overview of the FCC-ee alignment and monitoring study**

**Speaker**

Leonard Watrelot

5:00 PM