

Session Program

10-14 Jun 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

Monday 10 June

10:30

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

Tuesday 11 June

13:30

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 Deveci, 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

15:00

Wednesday 12 June

10:30

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

13:30

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

15:00

15:30

Accelerator technical design: Beam Intercepting devices

Session | **Location:** Elizabethan C | **Convener:** Andrei Seryi

15:30–15:50

Beamstrahlung dump concepts

Speaker

Dr Marco Calviani

17:00

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