

Session Program

24-28 Jun 2019



FCC Week 2019

FCC-ee accelerator

Crowne Plaza Brussels Le Palace
Rue Gineste 3, Brussels 1210, Belgium

Tuesday 25 June

16:30

FCC-ee accelerator: Injector linacs

Session | **Location:** 1st floor, Crea/Explo | **Convener:** Lenny Rivkin

16:30–16:48 **SLAC/SLC 2-mile S-Band Linac**

Speaker

Dr John Seeman

16:48–17:06 **SuperKEKB S-band/C-band linac**

Speaker

Kazuro Furukawa

17:06–17:24 **PAL-XFEL S-band Linac**

Speaker

Dr Heung-Sik Kang

17:24–17:42 **The SACLA C-band linac**

Speaker

Takahiro Inagaki

17:42–18:00 **SwissFEL C-band Linac and S-band Linac for FERMI**

Speaker

Hans-H. Braun

18:00

Wednesday 26 June

08:30

FCC-ee accelerator: Machine design (1)

Session | **Location:** Ground floor, Ballroom I | **Convener:** Ralph Wolfgang Assmann

08:30–08:48 **Issues for the next step**

Speaker

Katsunobu Oide

08:48–09:06 **Beam-beam effects for 4 IP**

Speaker

Dmitry Shatilov

09:06–09:24 **Low emittance tuning of FCC-ee**

Speaker

Tessa Charles

09:24–09:42 **Beam polarization for energy calibration in FCCee**

Speaker

Eliana Gianfelice-Wendt

09:42–10:00

Two new approaches of estimating the Polarization in High Energy Electron Storage Rings

Speaker

Dr Klaus Heinemann

10:00

10:30

FCC-ee accelerator: Machine design (2)

Session | **Location:** Ground floor, Ballroom I | **Convener:** Jie Gao

10:30–10:48 **Collective effects with ttbar configuration**

Speaker

Mauro Migliorati

10:48–11:06 **Feedback scenarios**

Speaker

Dmitry Teytelman

11:06–11:24

A self-consistent analysis method in X-ray interferometer in the FCC and proposal for testing in the X-ray monitor line in the SuperKEKB

Speaker

Toshiyuki Mitsuhashi

11:24–11:42 **FCC-ee machine availability**

Speaker

Arto Niemi

12:00

11:42-12:00

SuperKEKB status and experience with collisions at large Piwinski angle**Speaker**

kazuhito ohmi

13:30

FCC-ee accelerator: Injector design**Session** | **Location:** 1st floor, Eva/Inno | **Convener:** John Seeman

13:30-13:48

Baseline scheme**Speaker**

Katsunobu Oide

13:48-14:06

Alternatives**Speaker**

Daniel Schulte

14:06-14:24

Collective effects in the booster synchrotron**Speaker**

Mauro Migliorati

14:24-14:42

Positron source for FCC-ee**Speaker**

Iryna Chaikovska

14:42-15:00

Damping of injection oscillations and transverse stability in the PBR**Speaker**

Frank Zimmermann

15:00

Thursday 27 June

08:30

FCC-ee accelerator: Machine detector interface design (1)

Session | **Location:** Ground floor, Ballroom I | **Convener:** Maria Chamizo Llatas

08:30–08:48 Overview of MDI issues toward the TDR

Speaker

Manuela Boscolo

08:48–09:06 Mechanical design of the interaction region

Speaker

Evgeny Levichev

09:06–09:24 Final-focus quadrupoles and solenoids

Speaker

Michail Koratzinos

09:24–09:42 Beam-beam blow-up issues

Speaker

Dima El Khechen

09:42–10:00 Impact of beam-beam effects on luminosity measurement

Speaker

Emmanuel Francois Perez

10:00

10:30

FCC-ee accelerator: Machine detector interface design (2)

Session | **Location:** Ground floor, Ballroom I | **Convener:** Evgeny Levichev

10:30–10:48 Synchrotron radiation background studies

Speaker

Marian Luckhof

10:48–11:06 Beam losses at IR

Speaker

Helmut Burkhardt

11:06–11:24

Improvement of detector performance with smaller central IP beam pipe

Speaker

Emilia Leogrande

11:24–11:42 HOM and heating with smaller central IP beam pipe

Speaker

Alexander Novokhatski

11:42–12:00 Synchrotron radiation with smaller central IP beam

Speaker

Manuela Boscolo

12:00