

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/Explor | **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 SACLAC 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
15:00	14:42-15:00	Damping of injection oscillations and transverse stability in the PBR
		Speaker Frank Zimmermann

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