

Session Program

29 May 2017 to 2 June 2017

FCC Week 2017

FCC-ee physics & experiments

Intercontinental Hotel
Budapester Str. 2, 10787 Berlin, Germany

Tuesday 30 May

08:30

FCC-ee physics & experiments: Review: Run plan and SM precision measurements

Session | **Location:** "Bellevue" | **Convener:** Giuseppe Iacobucci

08:30–08:50

FCC-ee (History, motivation, overview of present status of design study and issues, run plan)

Speaker

Patrick Janot

08:50–09:10

Electroweak physics at the Z and W - experimental capabilities

Speaker

Paolo Azzurri

09:10–09:30

Status and prospects for precision electroweak calculations

Speaker

Fulvio Piccinini

09:30–09:50

Beam polarization (longitudinal vs transverse) and energy calibration requirements

Speaker

Alain Blondel

10:00

10:30

FCC-ee physics & experiments: Review: Higgs, top and flavour

Session | **Location:** "Bellevue" | **Convener:** Prof. Daniela Bortoletto

10:30–10:50

Higgs physics at FCC-ee

Speaker

Markus Klute

10:50–11:10

Top physics at FCC-ee

Speaker

Patrizia Azzi

11:10–11:30

Flavour physics (c, b, LFV)

Speaker

Stephane Monteil

11:30–11:50

QCD and gamma-gamma

Speaker

David d'Enterria

12:00

13:30

FCC-ee physics & experiments: Review: Direct discovery and detectors

Session | **Location:** "Bellevue" | **Convener:** Lucie Linssen

13:30–13:50

Search for New Physics at the FCC-ee

Speaker

Maurizio Pierini

13:50–14:10

FCC-ee requirements and specific designs**Speaker**

Mogens Dam

14:10–14:30

Detector design II (CLIC adaption)**Speaker**

Emilia Leogrande

14:30–14:50

Experimental environment and luminosity measurement (experimental side of MDI)**Speaker**

Georgios Gerasimos Voutsinas

15:00

15:30

FCC-ee physics & experiments: Review: Synergies and complementarities**Session** | **Location:** “Bellevue” | **Convener:** Michelangelo Mangano

15:30–15:50

Complementarity between FCC-ee and FCC-hh Searches for BSM Physics**Speaker**

Jonathan R. Ellis

15:50–16:10

Higgs physics synergies**Speaker**

Christophe Grojean

16:10–16:30

QCD synergies**Speaker**

David d'Enterria

16:30–16:50

An example of synergy in BSM physics: right-handed neutrinos**Speaker**

Oliver Fischer

17:00

17:30

FCC-ee physics & experiments: Selected topics**Session** | **Location:** “Bellevue”

17:30–17:50

EFT global fit of Higgs couplings at ee colliders**Speaker**

Jiayin Gu

17:50–18:10

Implications of a leptoquark explanation of the anomalous magnetic moment of the muon for the FCC-ee**Speaker**

Dario Mueller

18:10-18:30

Present status on numerical calculation of complete 2-loop EWPOs and 3-loop prospects

Speaker

Janusz Gluza

18:30-18:50

Precision Observables at FCC-ee: Status and Future

Speaker

Sven Heinemeyer

19:00