

Session Program

2 September 2020

**Repository for the FCC LOIs submitted to
Snowmass**

Contributions to the Energy Frontier

Wednesday 2 September

09:00

Contributions to the Energy Frontier: FCC-ee

Session | Location:

09:00–09:01 Measurement of the Z lineshape at FCC-ee

09:01–09:02 Electroweak Heavy Flavour (bottom, charm, tau) at the FCC-ee

09:02–09:03 Searches for Long-Lived Particles at the FCC-ee

09:03–09:04 Charged Lepton Flavour Violation at the FCC-ee

09:04–09:05

Tau exclusive branching fractions and tau polarisation observables at the FCC-ee

09:05–09:06

Tau lepton properties and lepton universality measurements at the FCC-ee

09:06–09:07

Perspectives for high-precision $\alpha S(m_{2Z})$ determinations from future e^+e^- measurements at the FCC-ee

09:07–09:08

High-precision $\alpha S(m_{2Z})$ determinations from future FCC-ee $e^+e^- \rightarrow$ hadrons data below the Z peak

09:08–09:09

Measurement of the W mass and width at FCC-ee

09:09–09:10

Measurement of Higgs parameters at FCC-ee

09:10–09:11

Higgs boson coupling measurements to charm quarks at FCC-ee

09:11–09:12

Determination of the $HZ\gamma$ effective coupling at FCC-ee

09:12–09:13

The invisible Higgs branching fraction at FCC-ee

09:13–09:14

Top quark physics at FCC-ee

09:14–09:15

Search for new scalars at FCC-ee

09:15–09:16

The effective theory of the see-saw portal at future lepton colliders

09:16–09:17

Heavy-quark physics at FCC-ee: CP-violation

09:17–09:18

Heavy quark Physics at FCC-ee, rare decays

09:22

09:30

Contributions to the Energy Frontier: FCC-eh**Session | Location:****09:30–09:31 Top-Quark and Electroweak Physics at LHeC and FCC-eh****09:31–09:32 LHeC and FCC-he: Dark Matter****09:32–09:33 LHeC and FCC-he: More general explorations****09:33–09:34 LHeC and FCC-he: Model specific explorations****09:34–09:35****LHeC and FCC-eh: Small-x Physics at Energy Frontier Electron-Proton and Electron-Nucleus Colliders****09:35–09:36 PDFs, alphas and Low-x Physics and at Future DIS Facilities**

09:55