

**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