



Contribution ID: 18

Type: (a) Talk abstract only

## FCC-ee sensitivity to SUSY through precision Z-boson measurements

*Tuesday, June 11, 2024 9:40 AM (20 minutes)*

We show that the FCC-ee will have sensitivity to the MSSM electroweak sector that is complementary to the LHC, through the precision Z-boson measurements. Our results provide added motivation and quantitative targets for the desired systematic uncertainty on this measurement.

**Authors:** LANGHOFF, Kevin (UC Berkeley); KNAPEN, Simon; LIGETI, Zoltan (Lawrence Berkeley National Lab. (US))

**Presenter:** LANGHOFF, Kevin (UC Berkeley)

**Session Classification:** Physics, Experiments and Detectors

**Track Classification:** Physics, Experiments and Detectors: Physics/Theoretical Calculations