



Contribution ID: 306

Type: **Parallel Session talk**

FCC-ee machine performance

Thursday, August 8, 2019 12:00 PM (12 minutes)

Summary

The future circular collider (FCC) study released a conceptual design report (CDR) in January 2019. An electron machine is considered as a first step (FCC-ee). FCC-ee is capable of very high luminosities in a wide center-of-mass (ECM) spectrum from 90 to 365 GeV. This allows the very precise study of the Z, W, and H bosons as well as the top quark, allowing for meaningful precision tests of the closure of the Standard Model with sensitivity to new physics at high scales. In this talk, we will discuss the design and performance of FCC-ee.

Primary authors: KLUTE, Markus (Massachusetts Inst. of Technology (US)); DAM, Mogens (University of Copenhagen (DK))

Presenter: DAM, Mogens (University of Copenhagen (DK))

Session Classification: Detectors/Accelerators/Computing (Parallel)