Contribution ID: **46** Type: **Oral**

Beta* reach studies

Tuesday, 12 April 2016 16:15 (15 minutes)

The current design of the FCC-hh detector features a forward spectrometer with an integrated magnetic field of 10 Tm. The effect of this dipole field on the beam requires compensation via strong orbit correctors and has implications for the geometry, performance and radiation protection of the Interaction Region (IR). In the talk, aspects of the Machine-Detector Interface, the consequences for the IR design and radiation studies will be presented.

Primary author: MARTIN, Roman (Humboldt-Universitaet zu Berlin (DE))

Presenter: MARTIN, Roman (Humboldt-Universitaet zu Berlin (DE))

Session Classification: FCC-hh Machine Detector Interface

Track Classification: Accelerators