

ACCELERATOR SEMINAR

Crab Cavity Efforts at CERN

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This talk will present a general overview of the concepts of luminosity, crossing angle and crabbing correction schemes in colliders, as a preamble to compare the needs for high luminosity between Jefferson Lab's Electron-Ion Collider (JEIC) and the High Luminosity Upgrade of the LHC at CERN (HL-LHC). In this talk we will also highlight some of the activities planned at CERN, foreseen for the installation and implementation of crab cavity systems in the HL-LHC. This includes cavity validation, cryostat assembly, evaluation of the cavity performance with the proton beam of the CERN-SPS and machine protection aspects.

Thursday, December 15, 2016

11:00 a.m.

CEBAF Center, Room F113

Coffee before seminar beginning at 10:45 a.m.