



ID de Contribution: 37

Type: **Poster**

Diagnostic of transverse beam halo at the Accelerator Test Facility

mardi 10 mai 2016 10:15 (20 minutes)

The Accelerator Test Facility (ATF), a prototype of final focus system for next generation of future linear collider, aims to focus the beams to nano-meter transverse size and providing 12 nm stability. Achieving these goals will require modeling, measurement and controlling of the transverse beam halo before interaction point (IP). This paper presents a experimental study of the distribution and source of vertical and horizontal beam halo using diamond sensor at ATF. The beam profile with a vertical collimator upstream shows great agreement with the simulation results.

Auteur principal: M. YANG, Renjun (LAL)

Co-auteur: Dr BAMBADE, Philip (LAL)

Orateur: M. YANG, Renjun (LAL)

Classification de Session: Poster session

Classification de thématique: Accelerator Physics