



Contribution ID: 92

Type: **Poster**

## Status of SLAC Testbeams

*Tuesday, 26 May 2015 15:49 (0 minutes)*

We present the current status and plans of the various electron test beams available at SLAC National Accelerator Laboratory. They span an energy range of a few MeV in our ASTA, mainly used RF structure testing and Ultra Fast Electron Diffraction measurements, NLCTA, a 120 to 200 MeV linac for free electron laser seeding, dielectric laser acceleration and medical irradiation studies, to ESTB, the End Station (A) Test Beam, which uses 5 Hz of the LCLS 2 to 16GeV beam for LC MDI and general detector R&D studies with primary beam and single electrons, to FACET, which has a very compressed and small spot size 20GeV beam for plasma wakefield acceleration, material science, other advanced acceleration concepts studies and beam diagnostics developments. All facilities will briefly be covered. The main emphasis of this talk will be on ESTB which provides an excellent electron test beam for detector R&D and has been used in its first full year of operation by more than 200 users from 11 different experiments. ESTB will receive an EuDet/AIDA class silicon telescope soon, which will further enhance its capabilities.

**Primary author:** Dr HAST, Carsten (SLAC)

**Presenter:** Dr HAST, Carsten (SLAC)

**Session Classification:** Applications - Poster Session

**Track Classification:** S4 - Applications