



Contribution ID: 48

Type: **Paper**

Alignment Activities at the Fermi National Accelerator Laboratory

Tuesday, 9 October 2018 09:20 (25 minutes)

Currently the Fermi National Accelerator Laboratory is transitioning to an institution functioning like CERN to provide the foundation for an International Neutrino research facility. For that a Short and Long Base Line Neutrino program has been established. With the recent installation of the ICARUS detectors the Short Base Line Neutrino (SBN) construction is nearing completion. Over time the long Base Line Neutrino Facility (LBNF) has evolved to now include a proton driver for the increased production of neutrinos. Recently this Proton Improvement Program (PIP II) achieved Critical Decision CD-1 by DOE.

In addition to the Neutrino activities, the laboratory is moving forward on finishing the construction of the Muon campus and is working together with CERN on the CMS improvements and High Luminosity -LHC upgrades. In a cooperative program between Jefferson Laboratory and the Stanford Linear Accelerator Center the laboratory is constructing cryo-modules for the Linear Coherent Light Source II.

All these activities require our services that will be briefly addressed in this presentation.

Summary

Overview of the Alignment Activities at the Fermi National Accelerator Laboratory

Primary author: FRIEDSAM, Horst (FNAL)

Co-authors: Dr OSHINOWO, Babatunde (Fermilab); Mr WILSON, Charles (FNAL); BARKER, Jana; Mr KYLE, John (FNAL); Dr BOCEAN, Virgil (Fermi National Accelerator Laboratory)

Presenter: FRIEDSAM, Horst (FNAL)

Session Classification: Survey & Alignment Aspects of Beamline and machine Components

Track Classification: Survey & Alignment Aspects of Beamline and Machine Components