



Contribution ID: 70

Type: **Oral**

Status Report on Alignment for LBNF/DUNE

In the context of today's global interest in the neutrino research programs, with special emphasis on long baseline neutrino oscillation experiments, the LBNF project at Fermilab receives special attention. The world's highest-intensity neutrino beam will be sent 1,300 kilometers straight through the earth's mantle to massive high-precision DUNE experiment's detectors located one mile deep underground at the Sanford Underground Research Facility (SURF) in Lead, South Dakota. An overview of the concepts and methodology to implement geodetic and alignment procedures to support the project reconfiguration and optimized design of the LBNF particle beam line and the DUNE detectors, and an update on the progress.

Author: Dr BOCEAN, Virgil (Fermi National Accelerator Laboratory)

Presenter: Dr BOCEAN, Virgil (Fermi National Accelerator Laboratory)

Session Classification: Session 5 - Monitoring II

Track Classification: Geodesy