

Abstract Submitted
for the TSF19 Meeting of
The American Physical Society

Development of Fermilab's Short Baseline Neutrino Experiment Online Monitoring System CRISTIAN GARCES, JAEHOON YU, CRISTOBAL GARCES, AKOLADE ADEBAYO, ARCHIT JAISWAL, JAKOB SCANTLIN, MATTHEW RAPP, STEVEN BOUCHER, MATTHEW BEUTEL, ZACHARY WILLIAMS¹, University of Texas at Arlington — The Short Baseline Neutrino (SBN) Online monitoring system will monitor the SBN program detectors. Two such detectors that will be focused on in this talk is the Short Baseline Far Detector (ICARUS) and Short Baseline Near Detector (SBND). The purpose of this monitoring system is not to replace the control system but allow both off and on-site physicists and engineers to monitor and gather important data from the detectors. Furthermore, this new system will provide ease of access and increase user efficiency and experience to perform sequential checkups on their designated experiment. In this talk, I will discuss the SBN experiments, their physics goals, the design of the online monitoring system and the inner working of it, including how data is retrieved, the types of measurements calculated and presented.

¹Special thanks to Zack! Thank you!

Cristian Garces
None

Date submitted: 02 Oct 2019

Electronic form version 1.4