

Geotechnical Characterization and Risk Mitigation for the LBNF Project

Friday, May 13, 2022 9:30 AM (30 minutes)

The Long Baseline Neutrino Facility Far Site, which will house the DUNE experiment, is currently under construction at the Sanford Underground Research Facility. Excavation of several caverns and ancillary tunnels is being undertaken at depth through jointed and foliated rock. This presentation will give a brief overview of the geotechnical characterization of the site and what intrinsic properties of the rock mass made this site favorable to the siting of large scale excavations. A robust risk identification and mitigation strategy was also developed and is being implemented through site observations, instrumentation, and back-analyses.

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