Title: First results on ProtoDUNE single phase LArTPC performance

ProtoDUNE-SP is the single-phase prototype for the DUNE Far Detector. Consisting of an active volume of 6m high, 7m wide and 7.2m deep (along the drift direction), ProtoDUNE-SP with a total liquid argon mass of 0.77kt represents the world largest monolithic single-phase liquid argon time projection chamber (LArTPC) ever built to date. In this talk, I will give an overview of the construction and operation of the ProtoDUNE-SP with an emphasis on the first results of the detector performance and critical detector calibrations. The measured performance meet or exceed the specifications for the DUNE far detector, in several cases by large margins. ProtoDUNE-SP's successful operation starting in 2018 and its production of large samples of high-quality data demonstrate the effectiveness of the single-phase far detector design.