

Beginnings of a thesis! And of a git repo!

1 The DUNE 35t LAr Prototype

The DUNE far detector (see section has a very large, complicated design including many features which are novel to this experiment. In order to optimise and minimise potential complications during construction and commissioning, several levels of prototyping are necessary during the design. These include the membrane cryostat, a TPC within such a cryostat, full scale detector elements, installation test and complete vertical slice tests of all electronics. Many of these have been tested with the first of two DUNE prototypes, the 35-ton (ref Far Detector External Review, May 19-20 2015).

There was a phase 1 run! [1]

1.1 Overview of the 35-ton

The 35-ton is a

Bibliography

[1] Alan Hahn et al. “The LBNE 35 Ton Prototype Cryostat”. In: (2014).