

APEX Engineering Options

- Tom Chase and Julianna Abel are Mech. Eng. faculty at the University of Minnesota, and are interested in participating in APEX design work
 - Tom Chase helped to design both MINOS and NOvA, and is currently consulting on DUNE ND TMS design work
 - Julianna is interested in continuing these types of collaborations with physicists once Tom retires (~1 year from now)
- The goal is to get the UMN team involved over the medium term (e.g. over the next year)
- In the meantime, we will get started with an existing engineer that I have been collaborating with for the past couple of years (Ramuél Maramara)
 - Ram has been working part-time on the DUNE ND PRISM system, and is interested in getting more involved in DUNE
 - He will begin part-time design work in the short term, with the potential to expand the effort in the future, if needed
 - We hope to get all the funding logistics ironed out this month, at which point he can begin the work
- We have an existing model of the 50 L CERN setup (from Francesco) that we can use as a starting point