

# Phase II Geometry

---

Oliver Hitchcock

# Goal

Design Phase II System Test detector geometries for use in simulations.

# Plan

1. Study Phase I and LZ geometries
  - a. Find reusable files
2. Understand/draw Phase II geometries
3. Translate drawings into code

# Accomplished so far:

- Learned some UNIX
- Obtained copy of BACCARAT
- Set up framework for Phase II detector
- Started work on IV

# To do:

- Continue studying Phase I & LZ files for reusable/relevant code
  - Reuse LZ Grid w/ adjustments
  - Use LZ PMTs as template
- Define all Phase II parameters within Phase2DetectorParameters.hh
- Build detector components based on drawings
  - Inner vessel
  - Grid
  - Active field regions
  - PMTs
- Visualizer