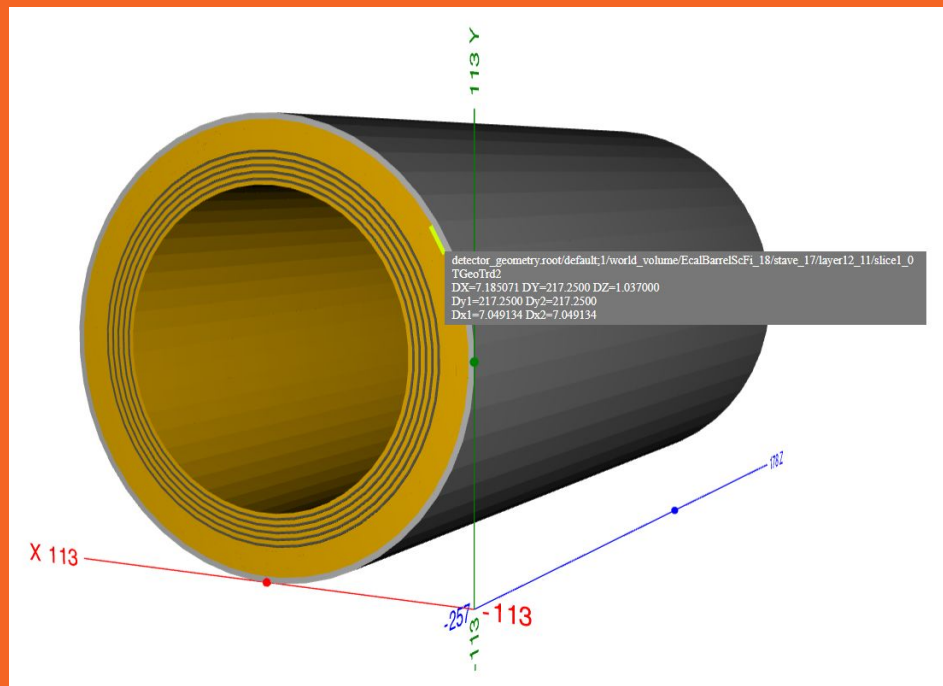


Barrel Electromagnetic Calorimeter

Geometry Optimization

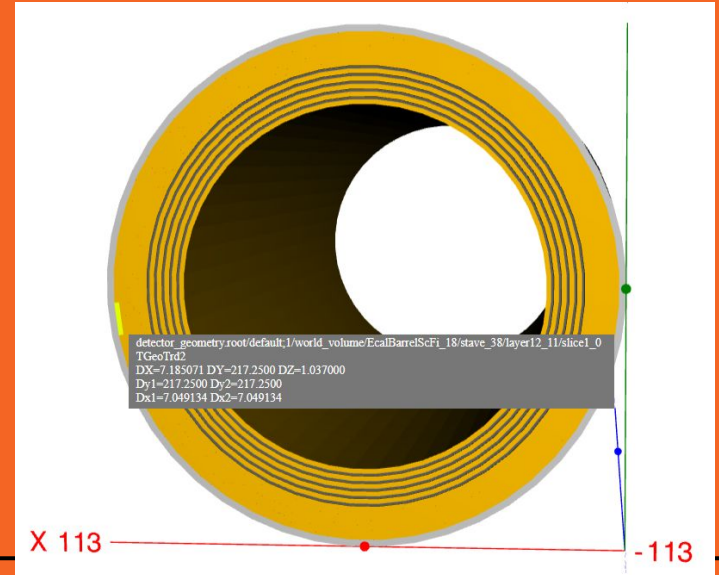
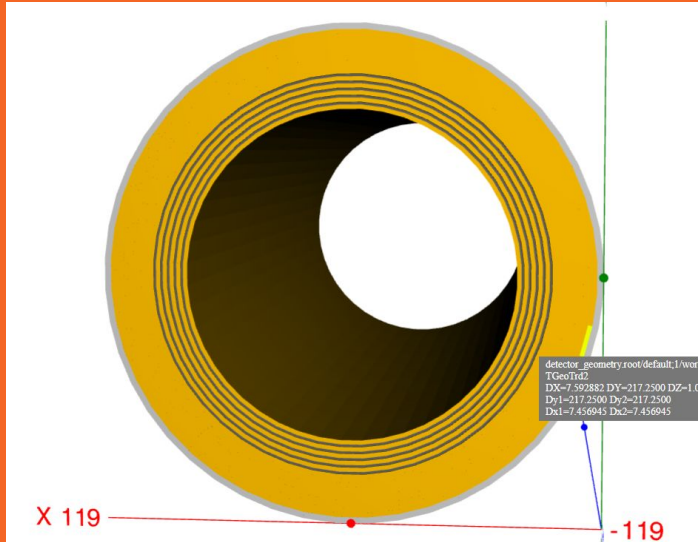
Marc Castro

June 6, 2023



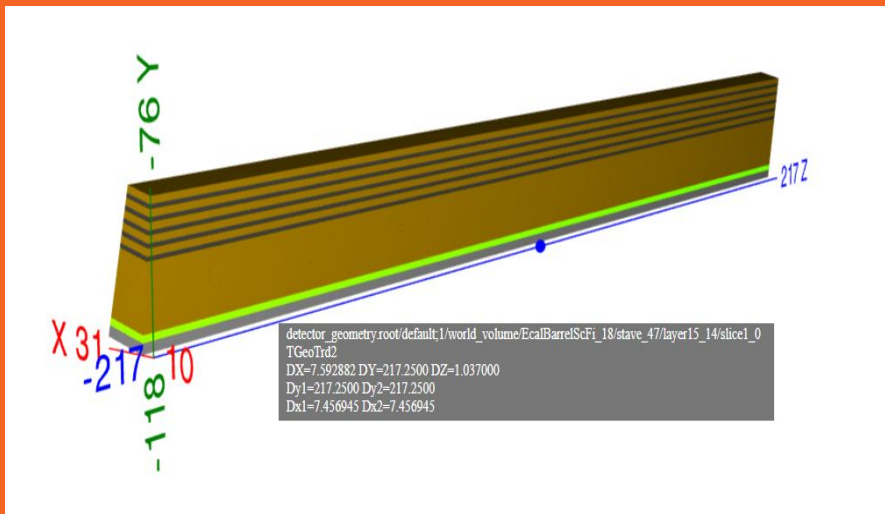
Shortening of the Calorimeter Barrel

- Discussed in a previous meeting (<https://indico.bnl.gov/event/19383/>) to shorten Barrel ECal from 15 layers ($\sim 21 X_0$) to 12 layers ($\sim 17.1 X_0$)
 - 15 layers ($\sim 21 X_0$)
 - 12 layers ($\sim 17.1 X_0$)

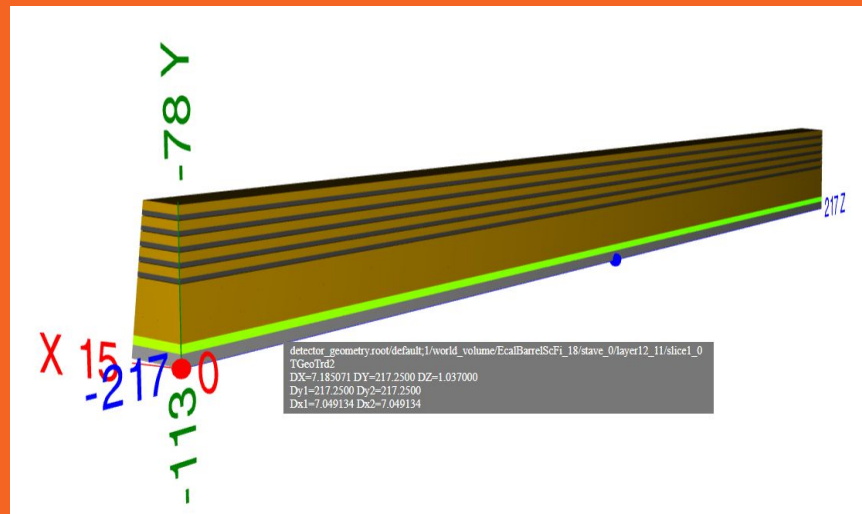


Shortening of the Calorimeter Barrel (cont.)

- 15 layers ($\sim 21 X_0$) (1 stave)



- 12 layers ($\sim 17.1 X_0$) (1 stave)



- GitHub Issue #436: <https://github.com/eic/epic/issues/436>
- GitHub Pull Request #444: <https://github.com/eic/epic/pull/444>