Very first look at the simulation

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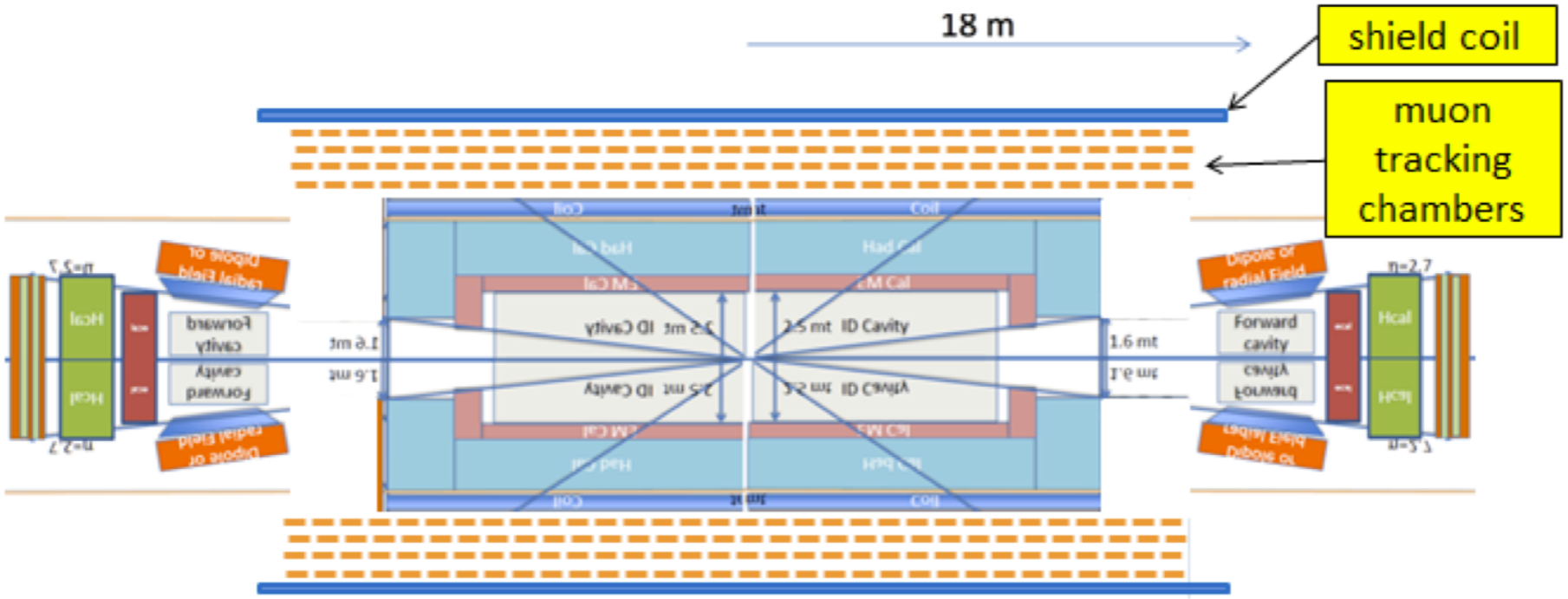
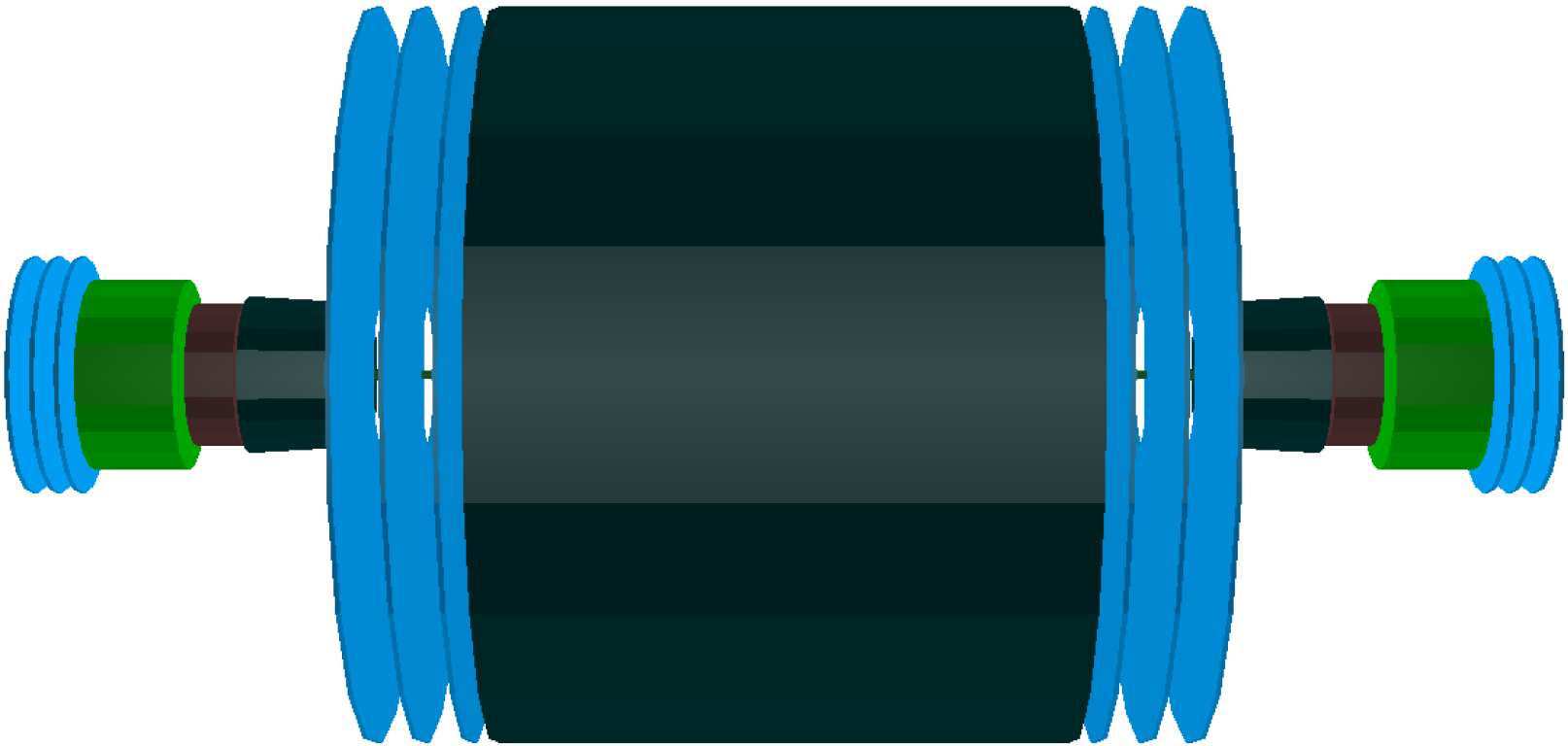
Explanations

- Git repository available at:
  - git clone https://:@git.cern.ch/kerberos/fcc-experiments-sw
- Follow README to setup environment
- Run the display from the build/ directory:
  - geoDisplay -compact file:../compact/FCCDectOpt02.xml
  - -> this will display the “world” only, always have this xml first
  - Then add the detectors you want
  - geoDisplay -compact file:../compact/FCCDectOpt02.xml -compact file:../compact/BeamPipe.xml -compact file:../compact/Pixel_Barrel.xml
  - Will display beam pipe and pixel !
- For the detector design, mostly follow Daniel Fournier’s option 2:
  - http://indico.cern.ch/event/282344/session/13/contribution/87/material/slides/1.pdf

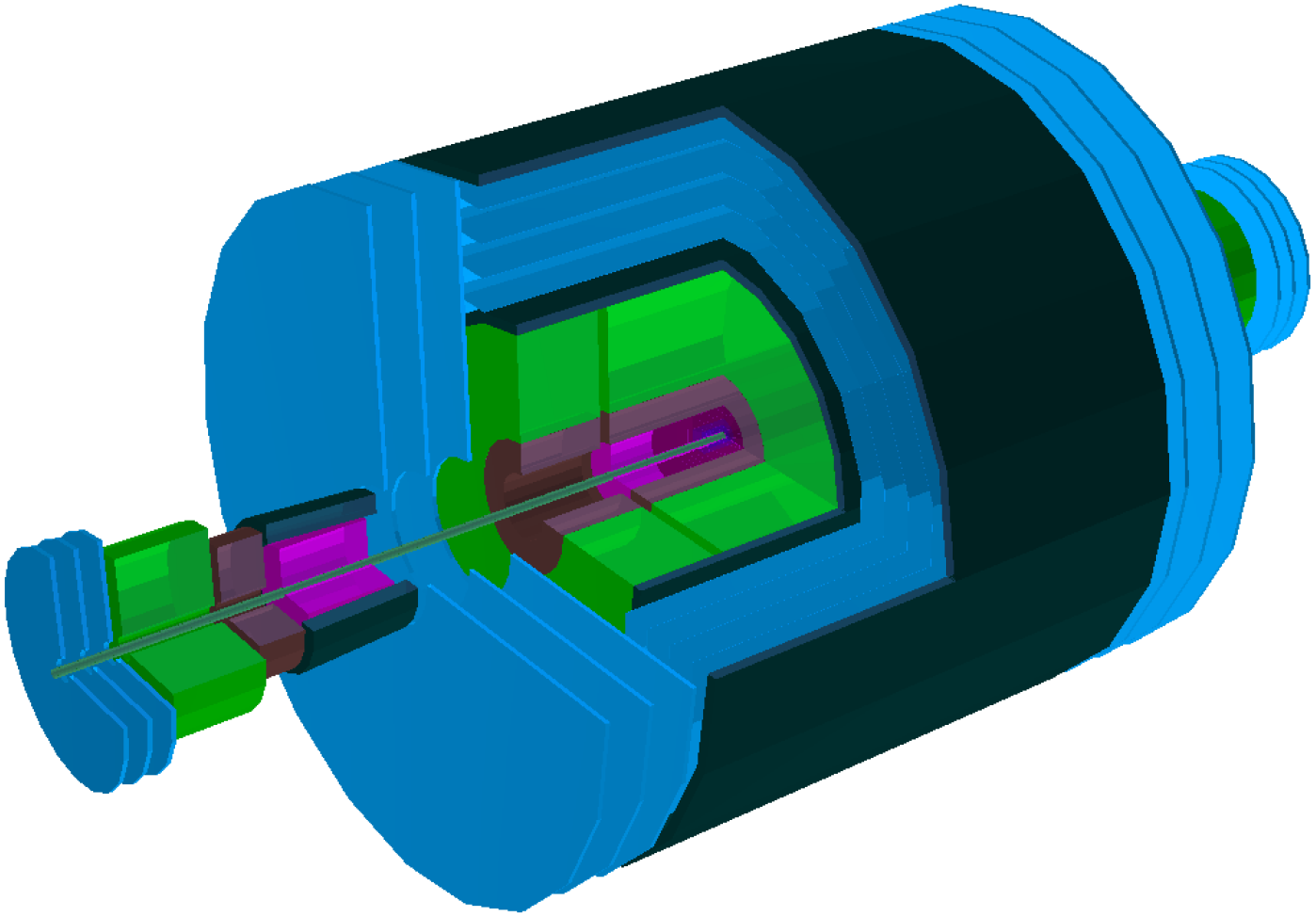
Daniel's idea



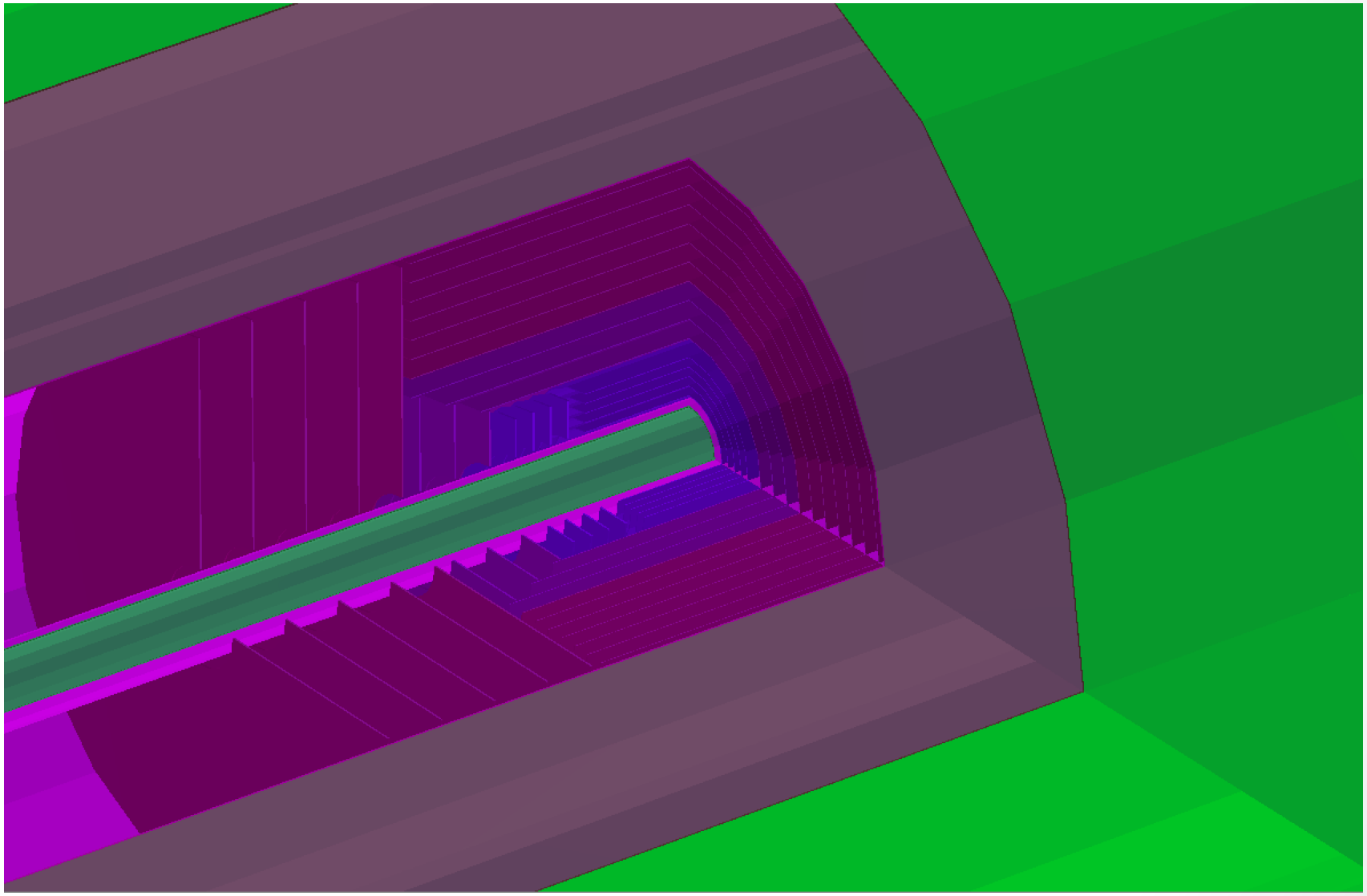
Our “yet” dummy implementation



Our “yet” dummy implementation



Our “yet” dummy implementation



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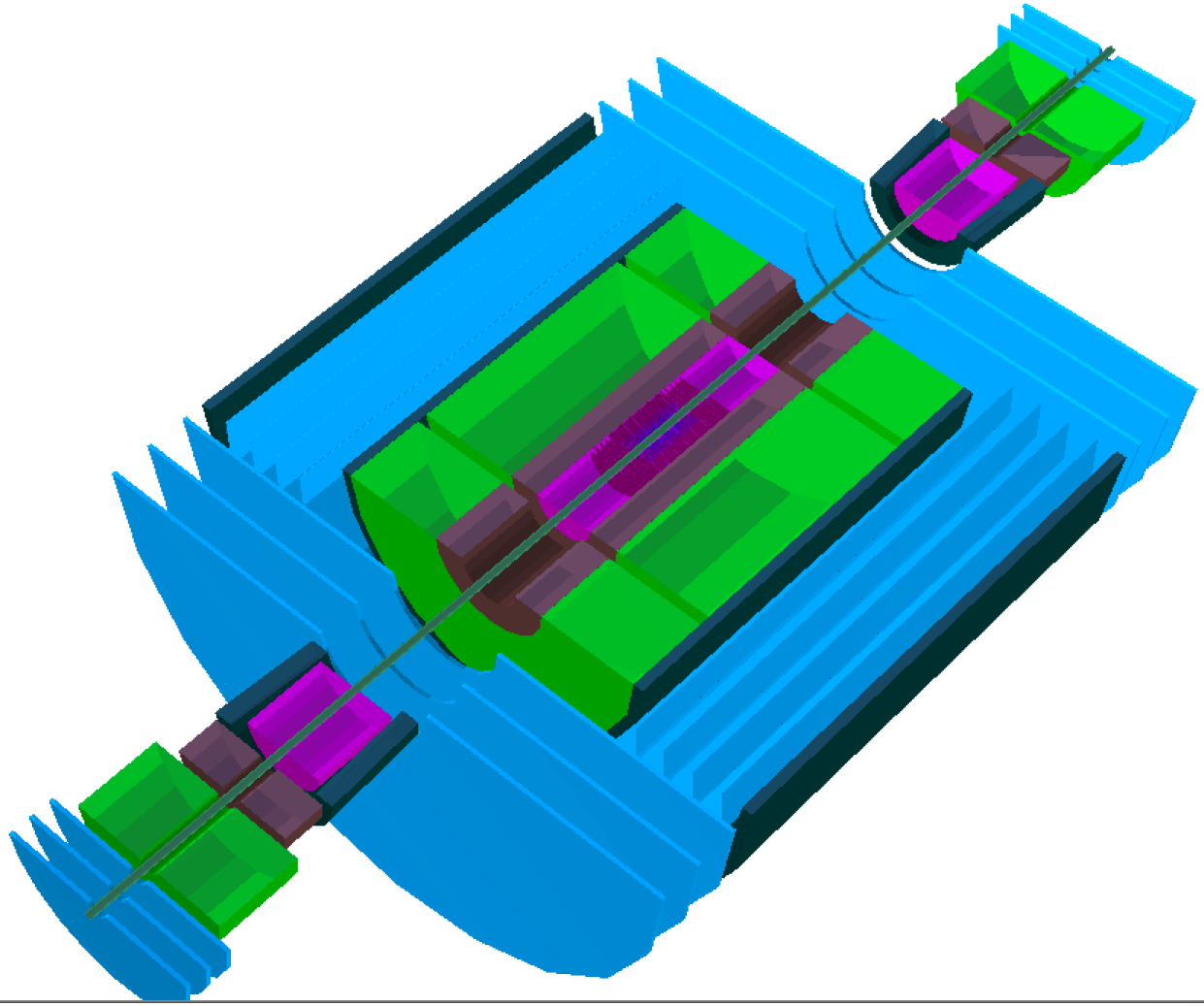

Summary

- For the moment only empty boxes
- Will fill them with realistic sensitive material soon!
- Progress with Geant4 ongoing, expect first results with Hcal to be ready in time for the FCC-hh Workshop