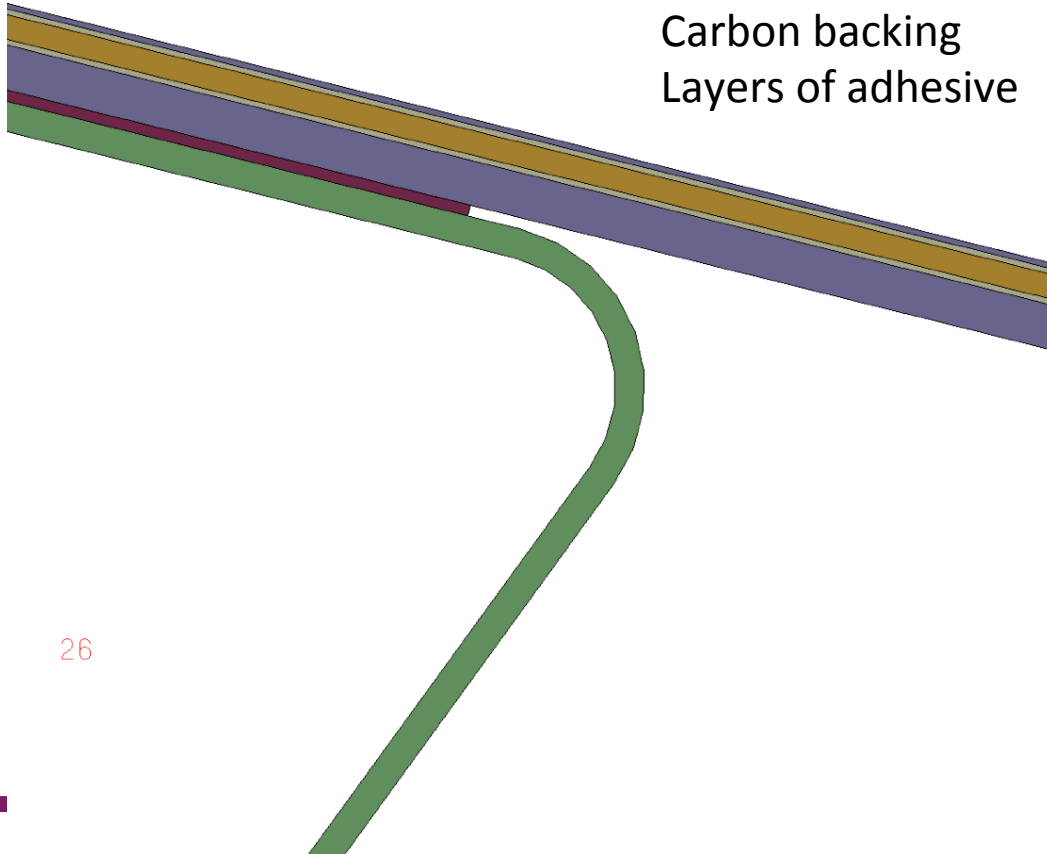

F. Videbaek

PXL geometry update

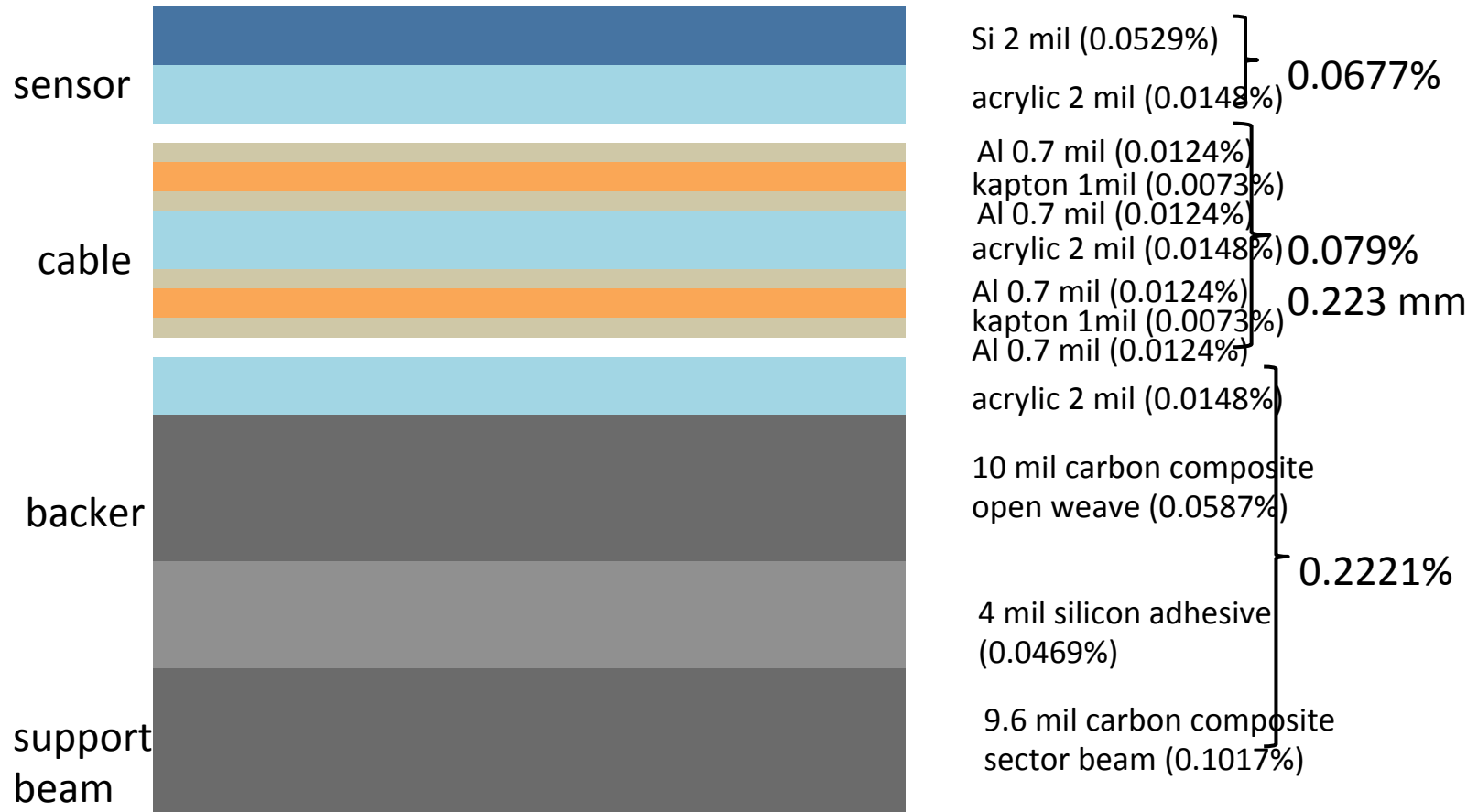
PXL ladder

- For realistic simulation it is essential to get the proper layout of ladders.
- Starting point
 1. SW model
 2. Material budget from Leo

Si-layer with inactive frames
Al-Kapton Cable
Carbon backing
Layers of adhesive



26



TOTAL = 0.3688 % X₀

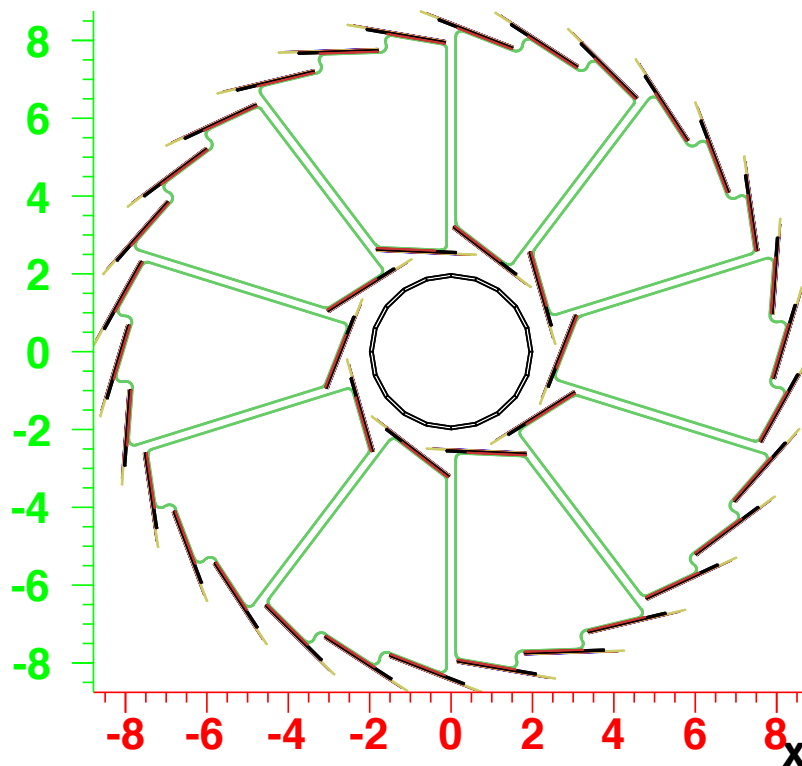
Cable

- Note that cable layout is slightly different 2 layer Al with total 0.073%.
- Implemented Cable si component in my scripts using TGeo.
- Materials for this have proper Radlenght, there is more work to do on the proper materials for Geant.

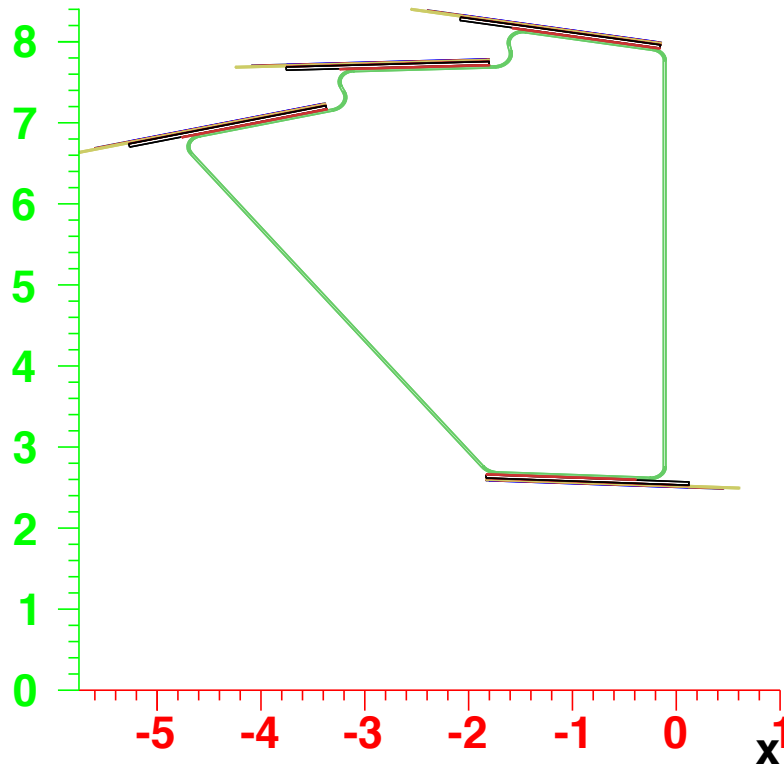
Ladders as implemented



Thu Feb 9 12:08:33

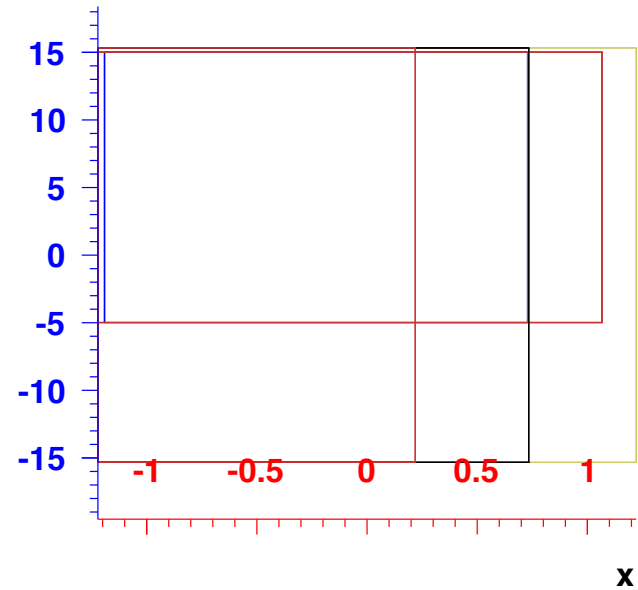
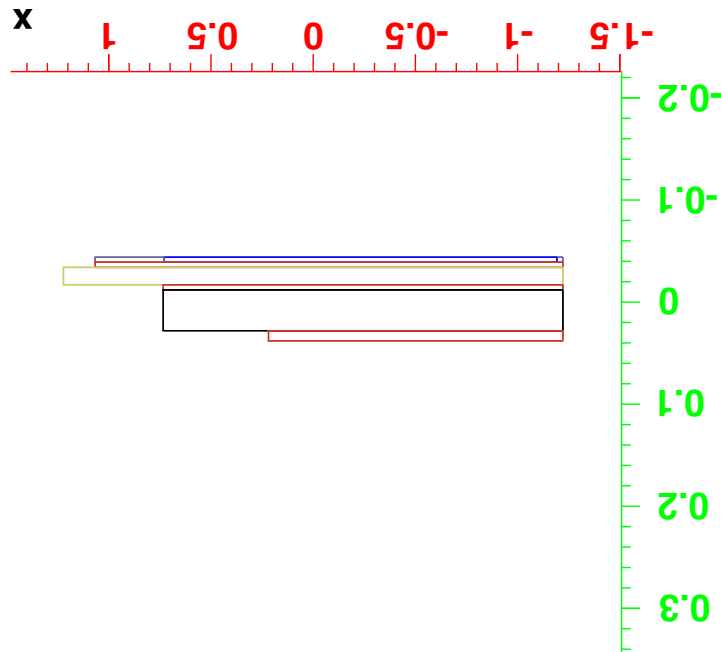


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End and top view

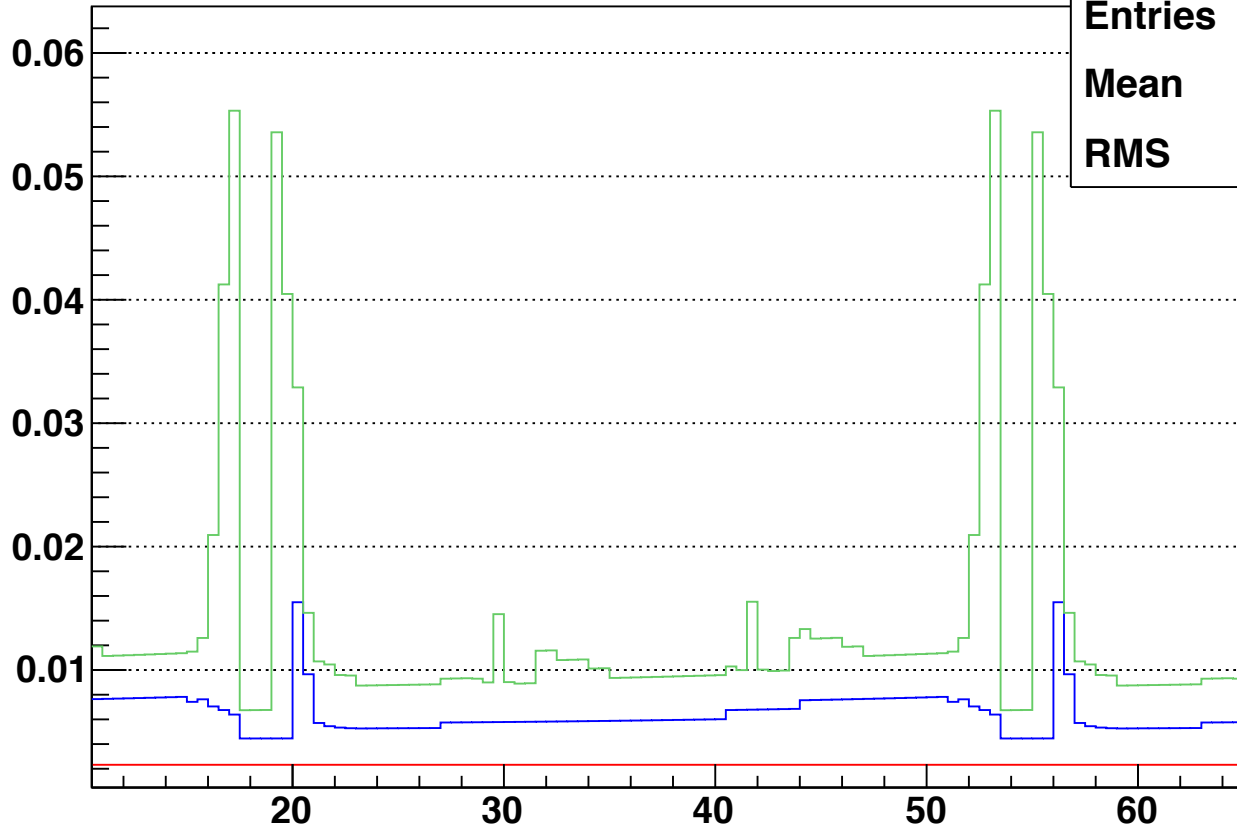
Thu Feb 9 12:11:0



Thu Feb 9 12:09:19

Radiation Length at 2, 3 and 9 cm radius

radlengt vs phi (z=0, R=2.2)



PhiRad2

Entries	180
Mean	37.75
RMS	15.73