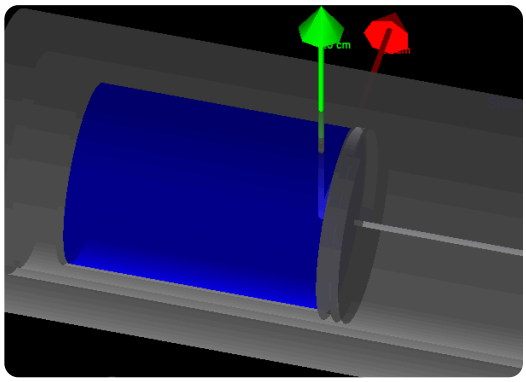
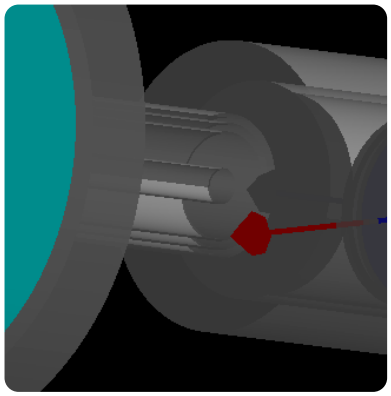
Sep 29, Sun

Summary

Added one plate closest to the sample chamber and the innermost arm chamber just for a practice more than for accuracy of the simulation





Checked the geometries for the arm and the cryo once more and found something I may have misunderstood. Will figure them out with Junsong today

'steps' in arm

incorrect (?) thickness: hard to read from the drawings

cryo_77k outer/inner radius/Dz difference?

cryo_nitrogen chamber thickness?

tolerance on loss of structures in cans

arm_sample_material

3d model for cryo?

The stp file is the updated version?

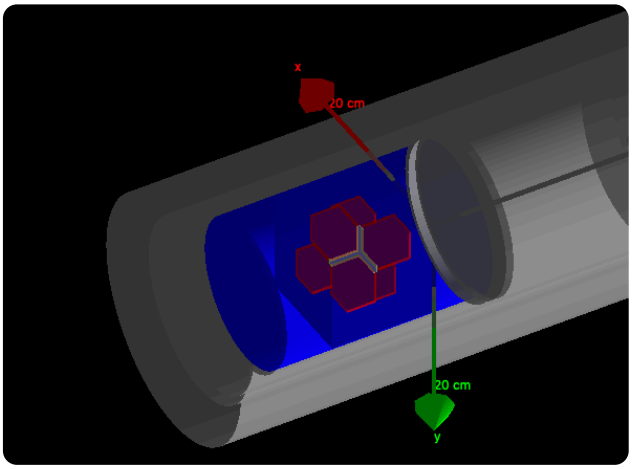
Also I need more knowledge about the detector inside the sample chamber...

Why did we change the chambers? Seems that they are not bigger...

Added PMTs

Should I check the geometry of PMTs? I found it a bit difficult to check... Will talk with Junsong to make sure I get the correct idea of the drawings

I am having difficulty using the mechanical design software, so the current version should have problem with the z coordinates of the PMTs. It should be fixed this afternoon.



Potential Improvements can be done (Just put here for future if necessary)

thickness of the cans

Structures of connecting cylinders and the arm

Constructions of plates (now no except sample chamber can has a plate to seal) and their connecting parts

PMT stuff may be a bit too simple. Where are the green plates?