



Progress Update on SolidWorks -> Geant4 Converter

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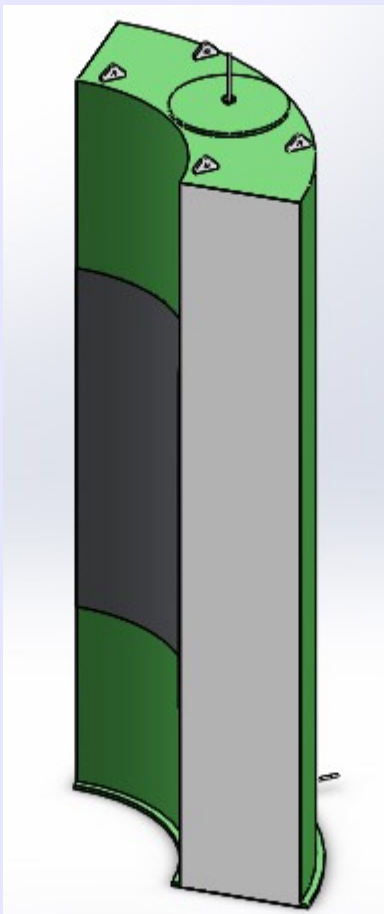
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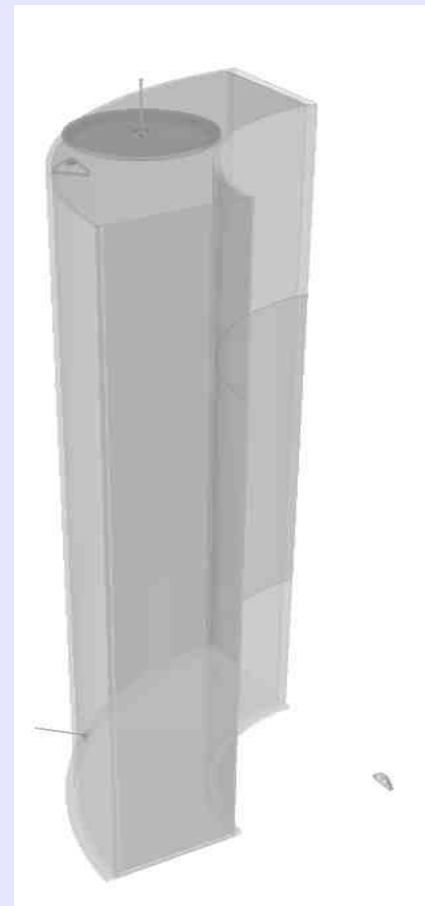
Processing Entire SW Assemblies



SolidWorks Design



Same Design in Geant4



- Many separate components, each with its own coordinate system
- Every part in place except for three lifting eyes at origin (note four eyes on top left)



New: Local Linear Pattern

- Lifting eyes have new feature: Local linear pattern
- Instead of having mates, they are placed in pattern
- Need to read pattern data from
ILocalLinearPatternFeatureData
- Getting spacing values successfully
- Have just discovered how SolidWorks stores rotation and displacement of rectangular pattern of lifting eyes
- Unfortunately, these values are stored separately from all other data on the lifting eyes
 - Working on code to associate lifting eyes with their pattern values