



Geant Simulation Detector Construction

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Set up the detector

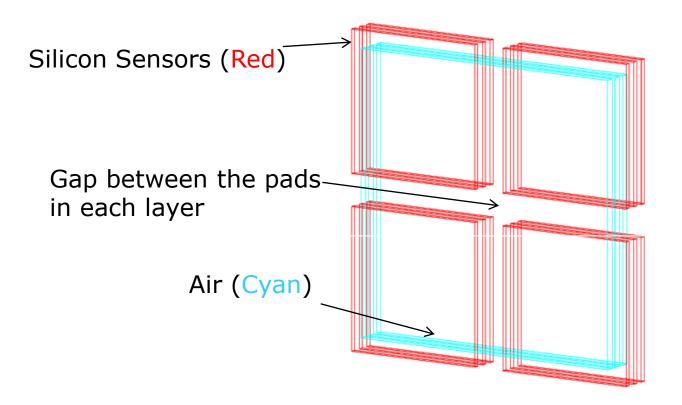
- This is a first sketch of the detector setup using the Geant Visualization tools in order to discuss, do all the necessary comments and make adjustments to construct correctly all material elements.
- We work in Ixplus after setting the environment.
- □ For technical instructions, see and run the code, look in git here: https://github.com/apsallid/SiWEcal
- We have check the visualization in Scientific Linux 6 and windows 10 using putty and xming but in case you have a problem (e.g in Ubuntu) an .eps file is created.
- □ All dimensions are random with main goal to better visualize volumes. Correct dimensions will be added in a second step and cross checked.



Visualization: Silicon sensors (3 layers)



One Layer = 2x2 array of Si pad sensors. So there is a gap between the pads. 3 layers are shown here with air between the Silicon sensors.





Visualization: Full detector side view



