

Hands-on exercises

Unit 4

Retrieving information from the simulation

What you learned in unit 4 lectures

- How you interact with Geant4 kernel
 - To control your simulation
 - To visualize the simulation components and results
 - To retrieve and manipulate information from the simulation
- How to analyze your results
 - Histograms in your application
- Geant4 concepts
 - Readout geometry
 - Hits
 - User actions

Today's exercises

- You start from the same simple user application as usual
- Today we provide a guided tour of how to retrieve information from a simulation

- AIDA and iAIDA
 - Brief tutorial
 - You get familiar with AIDA histograms
- Grace plotter

- Today's exercises are more challenging
- You retrieve further information
- You manipulate it
- You make your own analysis (histograms)

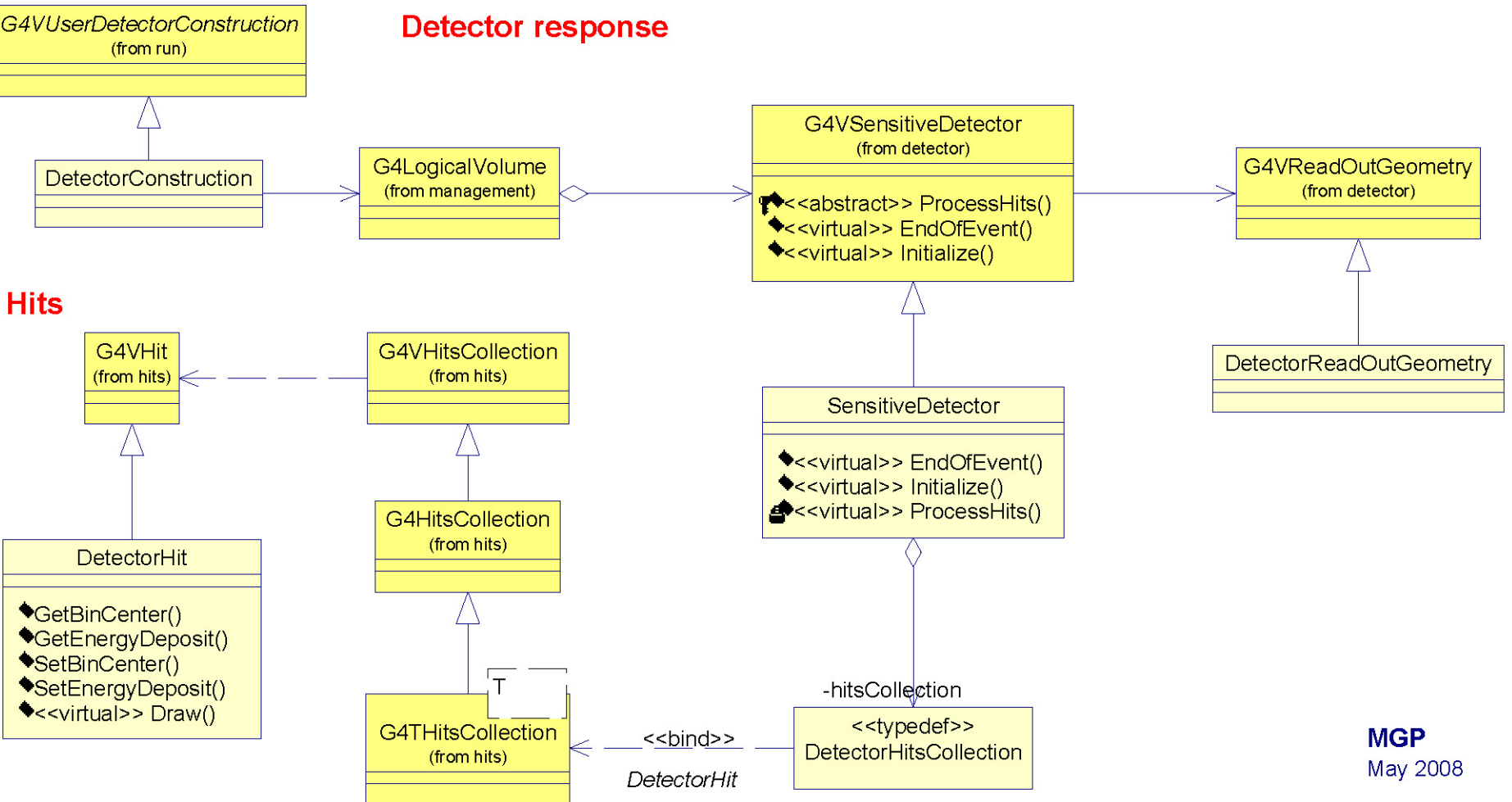
Topics for the exercise

- Sensitive detector
- Readout geometry
- Hits

- Retrieving information
 - Energy deposit in your detector
 - Secondary particles produced

- Analysis of your simulation

Detector response



User Actions

MGP
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