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Gaudi Tutorial Advanced

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Outline

Part I Detector Description

- 1. Overview
- 2. XML Files
- 3. Accessing Detector Data
- 4. Extending Detector Element

Part II Algorithm Tools

- 5. Overview
- 6. Writing Physics Tools

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Aims for the Tutorial

At the end of the day you should:

- Be more familiar with these advanced: detector description and algorithm tools
- Be able to start describing the *Geometry* and *Structure* of your sub-detector
- Be able to start developing *Physics Tools* to be added in the collaboration ToolBox

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Methodology

- Short presentations
- Emphasis on exercises
 - Start with an (almost) empty file
 - Work towards a fully featured application
 - New concepts and components introduced at each step along the way
- Distribute and document examples for self-training as well

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Logistics

- We will use the LXPLUS public service for the Tutorial
 - Everybody should have an account
- Two people per station
- The working directory will be in your AFS home directory
 - ~/tutorial
- Set environment by executing
 - > source \$LHCBHOME/scripts/tutorial.csh

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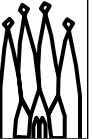


Tentative Schedule

9:00	1 Detector Description: Overview	P. Mato
9:30	2 XML Files (<i>Exercises</i>)	S. Ponce
10:30 Coffee Break		
11:00	3 Accessing Detector Information (<i>Exercises</i>)	S. Ponce
12:30 Lunch Break		
14:00	4. Extending Detector Element (<i>Exercises</i>)	S. Ponce
15:00	5. Algorithm Tools: Overview	G. Corti
15:30 Coffee Break		
16:00	6. Writing Algorithm Tools (<i>Exercises</i>)	G. Corti

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Credits

Gaudi Team:

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