

	Aim of the tutorial
To mal termine	ke you more familiar with some DaVinci specific ology
Explair	n the reason behind some choices
	w you which are and how to use the available tools ould want to use
	Help you to start to write a physics selection
1.3	DaVinci Tutorial
	Assumptions
It is as structu	sumed that you know the way the LHCb software is
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structu – cmt – conv It is as archite – algou It is as	sumed that you know the way the LHCb software is ured packages rentions sumed that your are familiar with the Gaudi ecture rithms, algtools, services, data stores sumed that you have either followed the Gaudi



	Documentation			
 All LHCb software documentation is available from the Computing web page <u>http://lhcb-comp.web.cern.ch/lhcb-comp/</u> 				
User GuidTutorial	o-comp.web.cern.ch/lhcb-comp/Frameworks/Gaudi/ le			
documenta	audi-based software has automatically generated ation			
1.7	DaVinci Tutorial			
	Documentation			
CLHEP <u>http://www</u>	winfo.cern.ch/asd/lhc++/clhep/			
STL <u>http://www</u>	<u>w.sgi.com/tech/stl/</u>			
	<u>w.sgi.com/tech/stl/</u>			
	<u>w.sgi.com/tech/stl/</u>			



Tentative Schedule

9:10	1 Introduction	G.Corti		
9:20	2 Getting started	C.Padilla		
10:00	3 Beginning to write a selection algorithm	G.Corti for S.Amato		
10:20	4. How to load and save data	G.Corti		
12:00 Lunch Break				
14:00	5. Manipulating data: ParticleFilter and Criteria	G.Corti for S.Amato		
14:40	6. Manipulating data: Vertexing	M.Gandelman for S.Amato		
15:10	7. Manipulating data: Geometrical tool	M.Gandelman		
15:30 Coffee Break				
16:00	8. UtilityTools	O.Dormond		
17:00	9. Particles2MC Associators	Ph.Charpentier		
		(Sec. 1)		

1.9

DaVinci Tutorial

Credits

S.Amato, Ph.Charpentier, G.Corti, O.Dormond, J.deMello, E.deOliveira, M.Gandelman, J.H.Lopes, C.Nunes, C.Padilla

