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# Applications Area News

- ◆ Release Plans
- ◆ POOL project revision

AA meeting, 4 June 2008  
P. Mato/CERN



# Release Plans

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## ◆ LCG\_54g

- It will include ROOT 5.18/00d , new CORAL and FastJet- 2.3.3
- Mainly requested by ATLAS
- Should be announced this week

## ◆ LCG\_55 (de-Sealed version)

- Based also on ROOT 5.18/00d with new versions of POOL, CORAL, COOL having removed the dependencies to SEAL
- Mainly requested by LHCb. ATLAS will move to it later in Autumn. No information from CMS.
- The release can happen next week

# POOL project revision

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- ◆ The POOL package is being reviewed to prepare it for long-term maintenance
  - Understanding who is using what and identifying possible simplifications
  - A number of meetings between POOL developers and the experiments have been held during last few weeks
- ◆ Preliminary conclusions
  - Basically every existing module is used by somebody
  - No major immediate reduction of the code base is possible
  - Re-evaluate the contribution from the experiments and reassign some modules
    - » E.g. for the FileCatalog should go to ATLAS, while RelationStorageSvc should go to CMS
  - Possible long-term evolutions
    - » ATLAS and LHCb could adopt common approach to persistency (same interface to POOL inside GAUDI framework)
    - » CMS could included the needed parts of the RelationStorageSvc into their framework and then use CORAL directly



# What is used by whom of POOL?

	ATLAS		CMS		LHCb	
	event	condition	event	condition	event	condition
DataSvc	±			x		
PersistencySvc	x	x		x		
StorageSvc	x	x		x	x	
RootStorageSvc	x	x			x	
RelationalStorageSvc				x		
ImplicitCollation	x			x		
RootCollection	x					
RelationalCollection	x					
XMLCatalog	x	x				
LFCCatalog	±					
RelationalCatalog	±					
PyFileCatalog						

# PH R&D Projects

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- ◆ Virtualization R&D project

- Beta release (0.5) of CernVM with preliminary support for all four experiments (Alice, CMS, ATLAS and LHCb)
  - » The virtual environment is able to run any experiment application
  - » "Beta-testers" are encourage to test functionality
  - » Performance and robustness will be addressed during summer
- Release notes:  
<http://cernvm.web.cern.ch/cernvm/index.cgi?page=ReleaseNotes>

