



# Feasibility Study on a Common Analysis Framework for ATLAS & CMS

- Last week there was a meeting convened by IT-ES between CMS and ATLAS
  - Purpose was to discuss forming a group to investigate the potential gains and amount of work of introducing more commonality between the ATLAS and CMS analysis systems
  - Representatives from ATLAS and CMS Computing management and technical experts mostly from IT-ES
- Participants were enthusiastic and proposed a mandate for a feasibility study as a starting point

- Concept of providing more commonality is not new
  - What is different is that both experiments are looking at the long term development effort needs
  - IT-ES through EGI project support has a team of highly motivated people with expertise in both systems
- This seems perfectly aligned with the high level goal of EGI to work toward sustainable infrastructure
- There have been several, admittedly more contained, examples of successful common services

- Experiments have discussed commonality before at the high level services
  - This effort might also not succeed
- Already the openness of the participants and the willingness to discuss collaboration is a source for optimism
- More news during the feasibility study



- Goals
  - Determine what elements of an analysis framework could be provided in common, and how to interface the common elements with the existing experiment services
- Timeline:
  - Deliver by CHEP 2012 a report describing the proposed use of common components and services
  - initial estimate of the level of effort required to develop a proof-of-concept prototype
  - If successful a further implementation and deployment phase would follow during LS1
- Resources:
  - Important to understand availability of needed expertise for all potential stages of the project up-front