Analysis Tools Workshop

Introduction

ATLAS Software Workshop
20.05.99
M. Stavrianakou

Why this workshop (I)

- What is the role of the analysis tools domain?
  - What requirements is it expected to provide for?
  - How does it fit in the overall software architecture?
  - How does/should it interact with other domains (database, graphics etc)?
  - What assumptions, restrictions, standards etc (if any!) are we constrained by?
- What tools are currently available? How can we make meaningful evaluations?

Why this workshop (II)

- What choices (if any) do we have to make and when? Now ? Medium−term? By 2005?
  => Who needs What When?
- How can we choose?
- How can we profit from existing experience in the detector communities, the test beams, other projects and other experiments?
- How can we influence the evolution of currently available tools? How can we steer efforts so that the providers really meet our needs?
- How can we plan long−term? This a very rapidly evolving area....

Why now?

- Why not?
- A transition period for ATLAS software BUT
- Although no big decisions can be envisaged, some work can start NOW => we need to
  - understand the problem, establish our requirements, raise the "right" questions
  - identify the people
  - learn, use, evaluate, discuss
  - identify urgent needs (e.g. test beams) and try to contribute if possible
  - prepare the ground for future work

Agenda (I)

- Morning
  - 9:00 Introduction: M. Stavrianakou (15’)
  - 9:15 Requirements: S. Fisher (45’)
  - 10:00 Architectural issues: L. Tuura and C. Tull (45’)
  - 10:45 Coffee
  - 11:00 Data mining for analysis: RD Schaffer, D. Malon (45’)
  - 11:45 Overview of analysis tools: M. Stavrianakou (30’)
  - 12:15 Analysis vs Graphics: J. Hrivnac (30’)
  - 12:45 Lunch

Agenda (II)

- Afternoon
  - 14:00 Status of ATLFAST++ with LHC++: S. Resconi (30’)
  - 14:30 MLPfit: J. Schwindling or B. Mansoulie (30’)
  - 15:00 Coffee
  - 15:20 Java agents: M. Donszelmann (30’)
  - 15:50 Discussion
  - 17:00 AOB