Report from DIG (the last?)

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Atlas Software Workshop

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Atlas Computing Review

- Short discussion, in view of the discussions in ACOS and during software workshop
- Surprised to learn that implementation is already going ahead

Reviews (1/2)

- Wired, XML parser: evaluations ongoing
- Graphics code, muon code: still awaiting feedback from some reviewers
  - Most feedback received so far is on requirements and design, not code
- SRT documentation: being completed
- Magnetic field design: being completed, but substantial changes requested -> current document will be withdrawn

Reviews (2/2)

- IPatRec design: too large, not enough structured
- Walkthrough: Muon code by Patrick Hendriks on Thursday
  - Deliverable distributed before meeting
  - Moderator
  - Minute-taker

Global architecture document

- Last DIG instantiated working group; aim: document the existing architectural choices
  - Scenarios
  - How
  - What
- Understandable by all developers (no jargon, minimal number of diagrams with complex semantics)
- Detailed outline of document being worked on

Strategic choices

- Separation of data objects from algorithm objects
- Transient vs persistent data model: go for different implementations
- Migration of code between applications
- Communication between components not via Event
- ODBMS
- Single source for detector description
- ...

Round of domains (1/2)

- Graphics, data base, reconstruction: see reports from working groups later this week
- Muons: concentrating on physics TDR, muonbox in cvs, compatibility problem with iPatRec
- Magnetic field: being ported to more platforms
- Analysis tools: Requirements to be discussed during AWWC meeting
- TileCal: setting up for test beam (Objectivity, analysis tools). Meeting on Thursday

Round of domains (2/2)

- ID: Common clustering progressing, supposedly close to completion. Work on xKalman++ suspended for now
- Reconstruction: Track class being worked on, hope to finalise first draft next week, discussions with system communities foreseen

Tools

- Bonsai working fine; need to understand whether Light is still needed
- StP systems being converted to UML. UML is the choice for new projects
- Need to go ahead with review of design tools (StP UI unacceptable). Probably, more than one product to be recommended

Platforms and compilers

- Discussion about support for Windows NT
  - few requests
  - no offer of person-power to help
- How many Solaris systems do we need?

AOB

- Outside software workshop: No firm candidates yet