Background:
Winter Production
Activities Plan

E.P. + F.F.

Goals

- Validation

  - check of the stability of the results against variation of Geant4 cut-off parameters

  - Simulation of the same geometry with different values of the Geant4 cut-off

- IR studies

  - Design of the tungsten shieldings

  - Neutron flux determination

  - Simulation of 2 options for the final focus: Shielded + Unshielded

List of Activities and Intermediate Goals

- "Feature-freeze" tag (before December 24th)

  - Features of the geometry and of the code in place

- Debug and QA

  - Check for geometry overlaps

  - IR Magnetic field validation

  - Memory leaks

  - + ...

- "Code-freeze" tag (Fri. the 22th of January 2010)

- Production (Mon. the 25th of January 2010)

Book keeping and Job Management tools

Feature-Freeze Tag Prerequisites

- Your detector is coded in GDML and archived in SVN with the code that generates it, if present.

    - Basic QA requirements fulfilled (Internal overlaps, missing or misplaced parts)

    - Base-line or full fledged configuration?
      We have to agree on that. (I would suggest to simulate the worst case scenario: that with more material I suspect)

- The information you need for the analysis, and the needed cros checks are stored in the root file written by Bruno.

- The job configurations files (truth map policies, set of Geant4 cut-off values) are agreed and archived in SVN.

- Intermediate Status Report Phone Meeting on Thursday December the 17th?

Quality Assurance (9+"4" working days)

- Geometry Checks (Eugenio + Andrea)

    - Envelopes Overlaps (i.e.: fixable with a refinement of the sub-detector envelops)

    - Sub detector <u>coherent</u> misplacements (i.e. fixable with a solid movement of the whole sub detector)

- Code QA

    - Memory leaks (Andrea + Eugenio + Roberto?)

    - Correctness of the stored results (Each sub detector)

        - Single particle Full Sim (private production)

        - Bkg frame preliminary analysis on a small sample (private prod.)

Final Freeze: Prerequisite

- QA Status Report meeting on Thursday the 14 of January 2010 (+/- 1 day)

- QA final Blessing meeting on Thursday the 21st of January 2010 (one week later)

- Tag release on Friday the 22nd of January 2010 (or earlier if Full Sim team and Sub Det. People reports are OK on Jan. the 14th)

Production infrastructure

- Book keeping (Andrea + Eugenio + Book keeping team)

- Job submission control tools (Summer production? New graphical interface? see Andrea talk)

- Data distribution, Disk space, CPU time, overall coordination (Fabrizio)

- Who will physically submit and babysit the jobs?