

25 Jan 06 GCR Meeting Notes

Agenda

- [Simulation of GCR rates](#) (Andrey, NRL)
- [GCRrecon plans](#) (Claudia/Fred, Montpellier)
- [On-board filter](#) (Richard/Patrick, OSU)
- The future of Trending plus trending presentations (Fred/Mark) - **deferred to separate meeting next week**

Attendees

Mark Strickman
Claudia Lavalley
Fred Piron
Richard Hughes
Sasha Chekhtman
Patrick Smith
Eric Grove
Andrey Makeev
Benoit Lott
Eric Nuss

Notes

Andrey

- GCR rate study presentation (see link above)
- Questions/comments
 - (Mark) Note that pessimistic assumption (no interactions at all allowed) approx. doubles collection time (eg 60d for Fe)
 - (Fred) Can Andrey's code work with protons as well? This will help characterize MIP finder
 - (Richard) Are events going through trigger/filter?
 - (Sasha) Default is all triggered events, no filter
 - (Benoit) Can compare xsecs you get to those in GEANT4

Patrick

- Filter study presentation (see link above)
- Discussion cut off by vrvs problems

Claudia

- See link above to proposed GCRrecon structure
- Claudia will send out similar structure for MIP finder (for comparison)
- Discussion of how GCRrecon talks to GCRselect
 - (Fred) Since [flow chart](#) specifies a root file between the two processes, is it possible to read only part of the information from each row?
 - (Sasha) Can select by branch so maybe not...
 - (Mark) Could make main path via TDS rather than file, with file write and read optional. Latter so that TKR recon will not have to be run every time you test a new select algorithm
 - (Sasha) Don't necessarily use TDS, but rather "intermediate" classes that all TDS classes mirror. Algorithm could read from file, write to intermediate class. RootAnalysis is an example of how this works

Fred

- GSI analysis needs clarification of high-statistics runs
- Worked on GSI simulation, using Thierry's GSI geometry. All installed, ready to run. Install was well documented

Next meeting: Feb 1