SVN commits: code

• Ss-shifted architecture
  – hit_filter can run between merger and fitter

• Most of changes needed for Constantinos
  – Including input of SCT tracks from root files
  – Global support for new hit type SCTtrk
    – Currently disabled, waiting for final structure

• Templated IO classes for tracks and roads
  – 50% savings in the amount of code

• By default, these changes are invisible
SVN commits: scripts

- New structure of svn repository:
  - TrigFTKSim/ and src/ - code
  - config/ - maps for different configurations
  - scripts/ - ftk.py script + .in templates
  - grid/ - grid submission scripts

- All these will be documented on Twiki
  - Will provide step-by-step instructions
  - Hopefully will be done later today
ftk.py features

- Uses human-editable .in templates
- Fully scriptable from command line
- Allows multithreaded job processing (beta)
  - Can utilize several CPU cores on a system
  - Can wait for roadfinder to finish before merge
- Supports SS-1/2 shifted architecture
- Supports bank extensions *.patt.bz2 etc
  - Used on the grid
Example running ftk.py

• Running full chain:
  • ./ftk.py -d raw_11L_50x64x144_WH34AB_group0 -q threaded_4 -o SS_OFFSET=0.0 -a roadfinder,STOP,roadmerger,STOP,trackfinder

• Running ss-1/2 shifted road finding, hit filtering, and track fitting:
  • ./ftk.py -t /shifted/banks -d raw_11L_50x64x144_WH34AB_group1 -o SS_OFFSET=0.5 -a roadfinder,STOP,roadmerger
  • ./ftk.py -d raw_11L_50x64x144_WH34AB_group0 -o SHIFTROADS=raw_11L_50x64x144_WH34AB_group1,SS_OFFSET=0.0 -a hitfilter
  • ./ftk.py -d raw_11L_50x64x144_WH34AB_group0 -o FILTERED_ROADS -a trackfinder
Grid status

- Succeeded running grid jobs on MWT2
- Banks and input files are in bz2 format
  - Read directly off d-cache!
- Support for BNL grid sites is coming up
- Everything will be documented on the twiki