Nathan's Update

06/21/2016

Building RAT on Wisconsin Cluster

Tried copying format of the shell script on the Berkeley servers with corrected directory paths for the HEP Server.

To no avail though…

```
ranlib /afs/hep.wisc.edu/home/neggen/rat/lib/librat.a
g++ -o /afs/hep.wisc.edu/home/neggen/rat/bin/rat -pthread build/linuxx8664gcc/rat.o /afs/hep.wisc.edu/ho
b -L/afs/hep.wisc.edu/home/neggen/rat/lib -L/cvmfs/lz.opensciencegrid.org/ROOT/v5.34.32/slc6_gcc44_x86_6
ncegrid.org/geant4/geant4.9.5.p02/lib64 -lCore -lCint -lRIO -lNet -lHist -lGraf -lGraf3d -lGpad -lTree -
hysics -lMathCore -lThread -lm -ldl -lMinuit2 -lSpectrum -lRooFitCore -lRooFit -lFoam -lMinuit -lPyROOT
4visHepRep -lG4RayTracer -lG4VRML -lG4vis_management -lG4modeling -lG4interfaces -lG4persistency -lG4ana
4readout -lG4physicslists -lG4run -lG4event -lG4tracking -lG4parmodels -lG4processes -lG4digits_hits -lG
ry -lG4materials -lG4graphics_reps -lG4intercoms -lG4global
/usr/bin/ld: warning: libMathMore.so, needed by /cvmfs/lz.opensciencegrid.org/ROOT/v5.34.32/slc6_gcc44_x
t found (try using -rpath or -rpath-link)
/cvmfs/lz.opensciencegrid.org/ROOT/v5.34.32/slc6_gcc44_x86_64/root/lib/libRooFit.so: undefined reference
(unsigned int, unsigned int, double)'
/cvmfs/lz.opensciencegrid.org/ROOT/v5.34.32/slc6_gcc44_x86_64/root/lib/libRooFit.so: undefined reference
squared_pdf(double, double, double)'
collect2: ld returned 1 exit status
scons: *** [/afs/hep.wisc.edu/home/neggen/rat/bin/rat] Error 1
scons: building terminated because of errors.
```

Canada!

Traveled Saturday:
    O'Hare -> Toronto -> Sudbury

Stayed above ground yesterday and today.

Completed the online Norcat training yesterday.

Plan to do the validation tests tomorrow and then complete training next week.
    -Adit training is full until the 30th.

Getting mining gear and will be going underground tomorrow.