How to run BOOST job

- Following these steps:
  - Setup BOOST environment
  - Checkout boost from CVS repository
  - Edit BOOST cards
  - Run BOOST

Setup Environment and Checkout BOOST

- Add the following line in your home .tcshrc:
  - source ~dengzy/.boostenv
    - Geant4, gcc, root, dawn, hadronic_lists
    - CVSROOT(anonymous), generator(genbes)
- Comment out BESII settings
  - ~bes/bin/cshrc.hep
  - ~bes/bin/alias.hep

- cd your-boost-dir (anywhere)
- cvs co boost

Edit you boost cards

- To run BOOST, you must edit two BOOST cards
- boost.user
  - a tcsh script file for user's settings
- boost.cards
  - a macro file for user's simulation settings
- You can copy them from your checked out boost: /boost/mac/

Example of boost.user

- # define your boost job name
- setenv BOOSTJOB test

- # define where your checked-out boost was placed
- setenv BOOSTDIR /d9/liuhm/myg4
  - pay attention: not /d9/liuhm/myg4/boost !

- # define where boost exe will be placed
- setenv G4WORKDIR /data8/liuhm/boost
  - /bin, /tmp, /boostlib

Example of boost.cards

```
# specify your generator
/generator/name tester
                        #No. par   name    cosmin   cosmax   phimin   phimax   p   delta(p)
/generator/tester  1               pi-      -0.8      0.8       0.      360.     1.    0.
#/generator/name       genbes
#/generator/genbes    /d9/dengzy/tester.evt
```

```
# where to save your generated data
/runAction/ascii   1  1  1  1   /d9/dengzy/AsciiDmp_out.dat
```

```
/run/runID -9
/run/beamOn 100
```

```
# if the above card is commented out, there will be no raw dat output
# if the above card is provided with no parameter, the default is used
```

◆For more BOOST commands, type "help" during an interactive run

Run your BOOST job

- Run from where two boost cards located

- Interactive graphic run
  - boost –i or boost -x
- batch run on the terminal
  - boost –t
- background batch run at local host
  - boost –b
- PBS batch run
  - boost -q, or just boost
- For fast run
  - boost –f (already have boost executable and don’t update it)
- For help
  - boost -help (-h)
- A log file and an err file will be generated after run