KEY: $ = command starts here

bwbay.ncsa.illinois.edu

Asking for Resources:

Ask for an interactive job running on 2 nodes with 32 cores each (for a total of 64 cores), running for a maximum of 1 hour, using our reservation for this 2-week institute:

```
$ qsub -I -l nodes=2:ppn=32,walltime=01:00:00
```

Compiling GalaxSee:

By now, you should have copied the BW_Institute directory to your accounts. Make sure it has the Examples directory with all the modules in it.

1. Go to BW_Institute/Examples directory:
   ```
   $ cd Examples/GalaxSee
   ```
2. Compile all the modules. Make sure there is no error during compilation:
   ```
   $ make NO_X11=1
   ```

Running GalaxSee:

Rows:

Row 1: `$ time aprun -n 2 ./GalaxSee.cxx-mpi 10000 500 1000 0`

Row 2: `$ time aprun -n 2 ./GalaxSee.cxx-mpi 5000 500 1000 0`

Row 3: `$ time aprun -n 2 ./GalaxSee.cxx-mpi 2000 500 1000 0`

Row 4: `$ time aprun -n 2 ./GalaxSee.cxx-mpi 1000 500 1000 0`

Everyone in a row will have a different number of processes. So, the first person in row will run on -n 2, second person -n 4, and so on for: n= 2, 4, 8, 16, 32, 64.