WHAT I AM DOING

- Create background radiation simulations for the Phase 1 detector

Click HERE

4/11/17

DONE

- Installed Personal BACCARAT

- Got Macro from Ryan

- Looked for vessel dimensions

TO DO

- Permission to access files?

- Include geometry files in macro

- Install DAWN visualization? (optional?)

- Get macro checked

- Run macro

4/18/17

DONE

- Found (hopefully) the files for the dimensions of the vessels
- Edited the macro to include them
- Edited farmoutBACCARAT.sh to use the macro
- Started Linux tutorial

TO DO

- Transfer the macro to the server
- Run a test macro (small sample size)
- If errors arise, edit macro until it works
- Run the macro (large sample size)

4/25/17

DONE

- Finished Linux tutorial
- Fixed some issues with running the macro (but ran into some more)

TO DO

- Fix output file problems
- Run a test macro (small sample size)
- If errors arise, edit macro until it works
- Run the macro (large sample size)

SPRING 2017 SEMESTER SUMMARY
WHAT I HAVE LEARNED

- How the LZ Experiment works and the basic geometries of the detectors
  - Does not have much outside use, but it will certainly help with understanding for understanding results (once I get them)

- Basic knowledge on using Linux and writing macros
  - Both will be very useful for the summer, where I will be doing much of what I am doing now, and useful to know in general

- Seeking Help
  - I ran into many walls, so I had to find ways to keep productive while I was stuck in some area

SUMMER GOALS

- Finally run the macro, and make necessary edits

- Be able to interpret my results

- Write more macros (hopefully with visualization)

- Do more tests with other components of the detector vessel

- Move on to other simulations