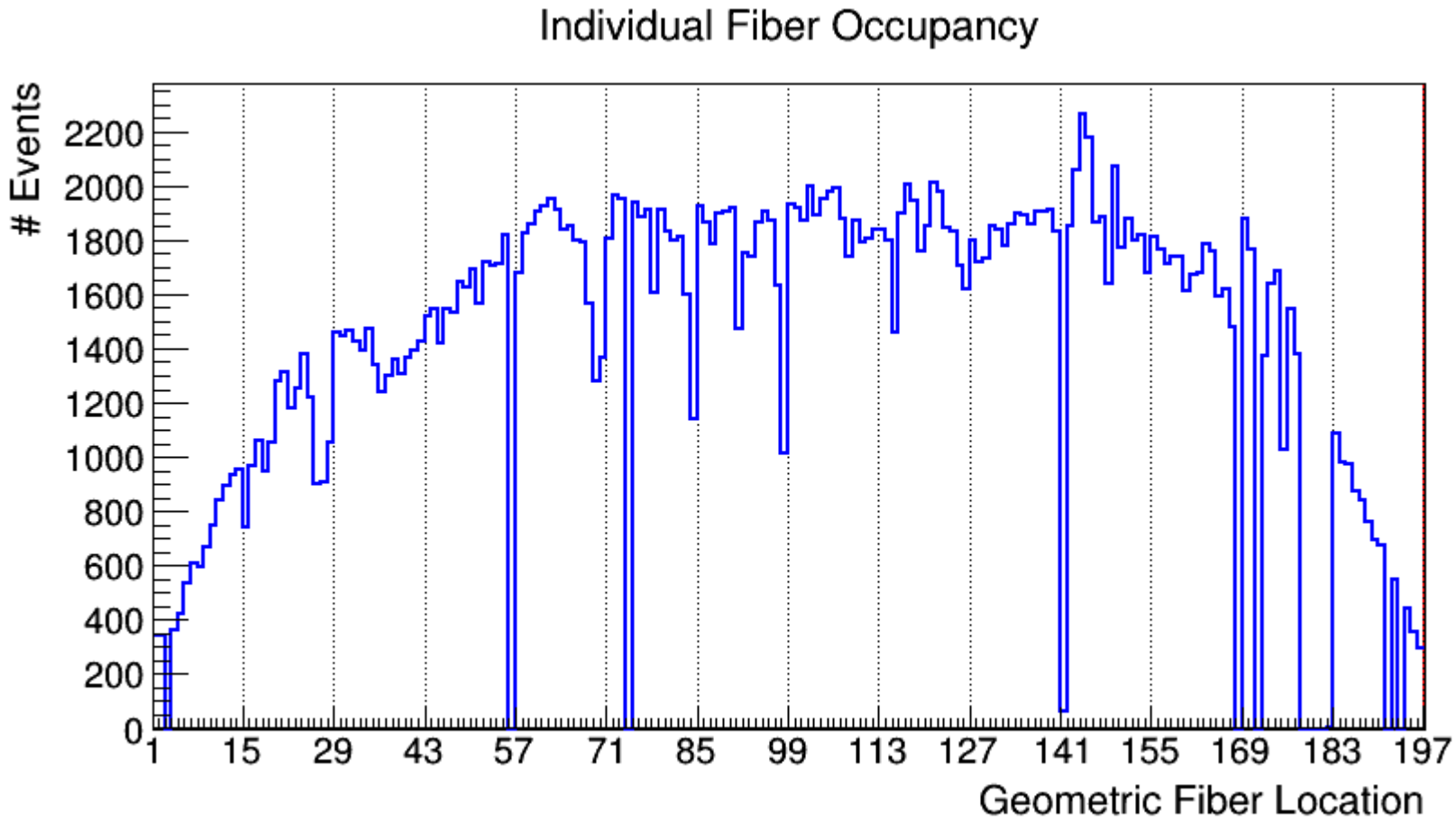
Coordinate Detector Update

- Commissioning currently in progress.
- Successful DOE project review last November.
- Detector frame built in test lab.
- Taking cosmic data with external trigger scintillators to test every channel.

Software Development

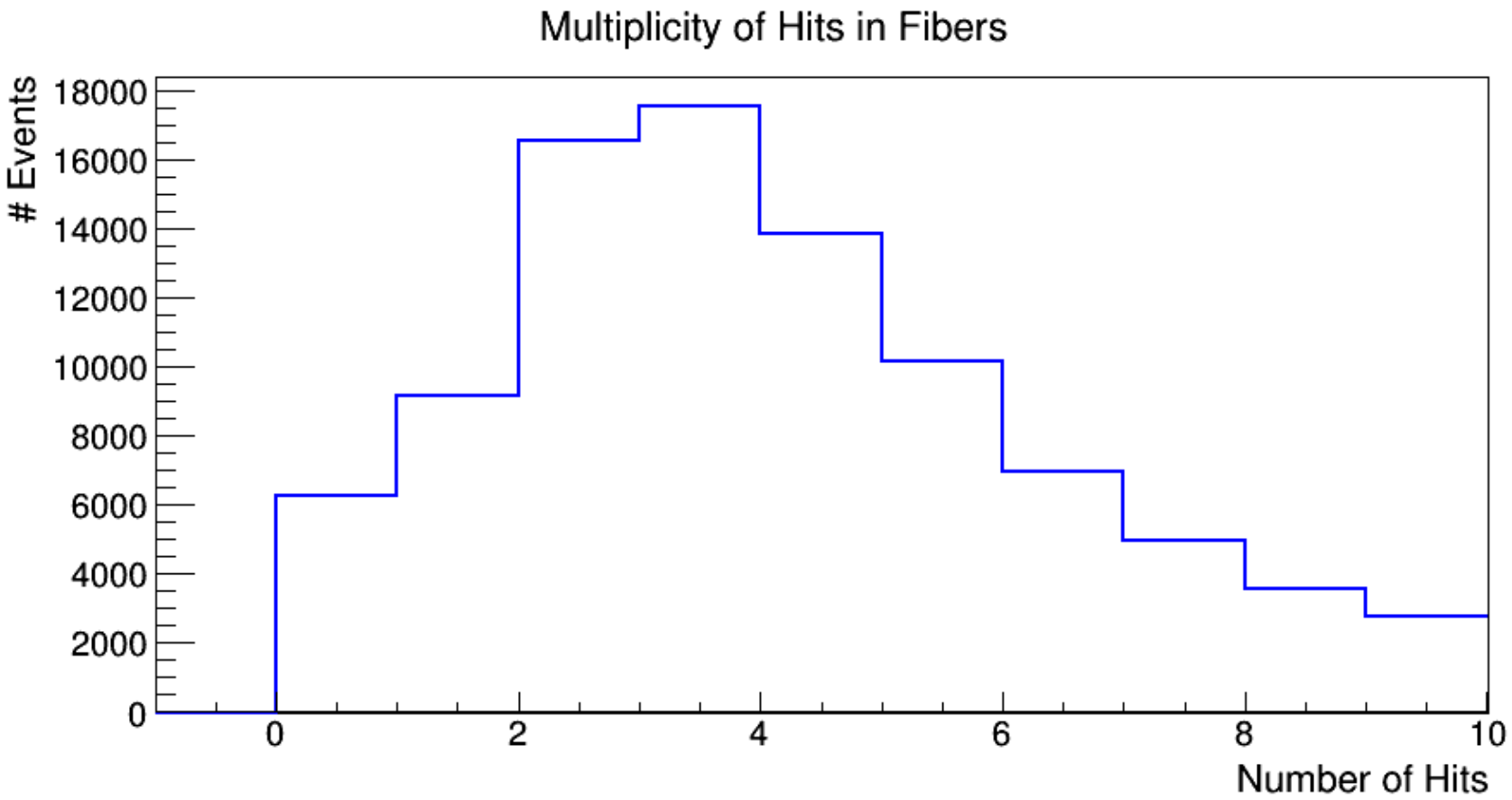
- Software decoder for DAQ being updated
  - following Hall-A analyzer design.
- Established software repository on GitHub
  - CNU undergraduate students starting to develop/understand software.
- DAQ has been run for complete half of first module.
  - beginning to troubleshoot any problems.
- Developing analysis and diagnosis software
  - Software being written with a view towards the experimental running
- CNU has committed faculty and students to this effort.

Check of All Fibers



- Check occupancy of all fibers – highlight problematic channels

Number of Fibers Hit per Event

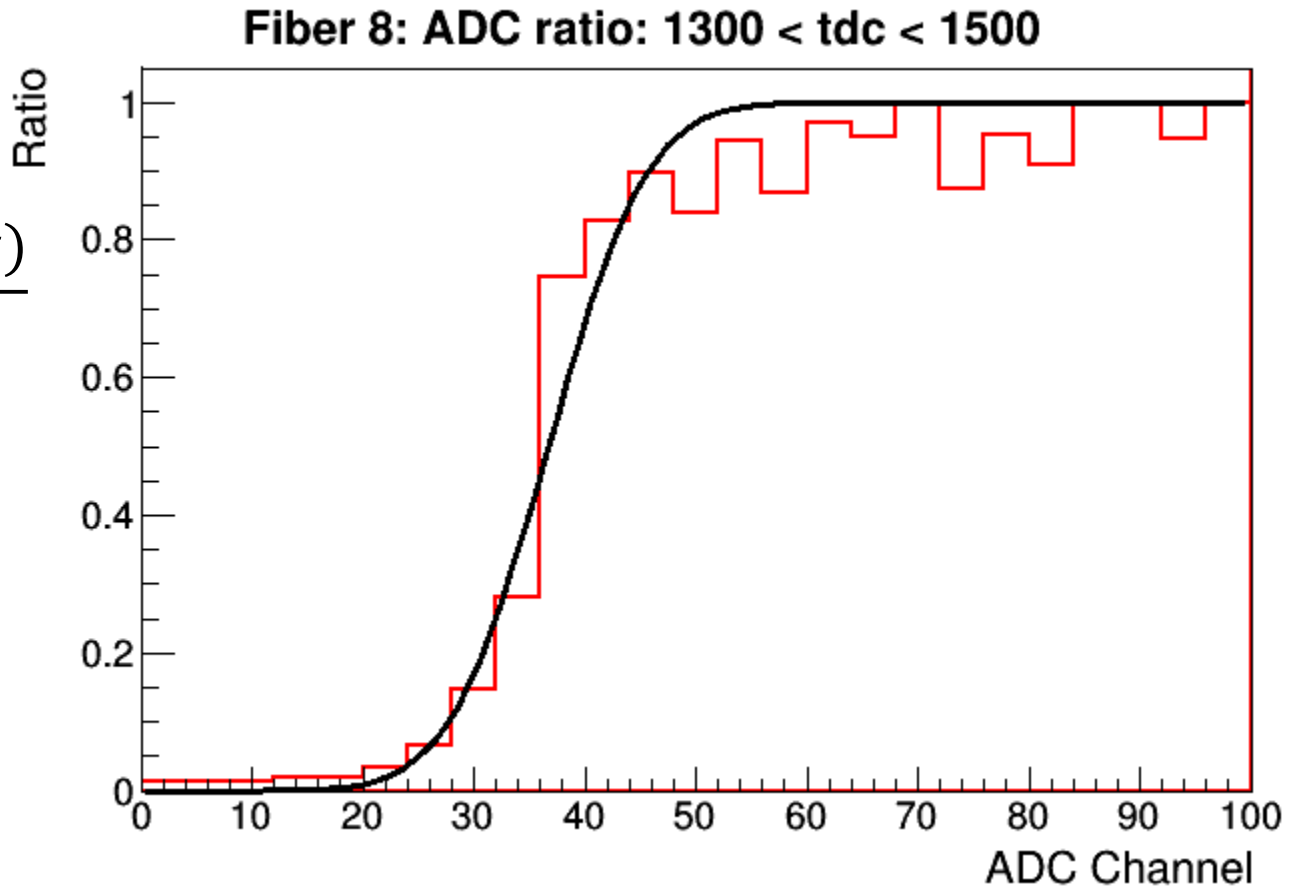


- Multiplicity of ~ 3 fibers per event

Efficiency Ratio

$$\eta = \frac{ADC\ (TDC\ cut)}{raw\ ADC}$$

- Set 50% ratio as threshold for detector
- Determine threshold to set for each bar.



Summary

- Commissioning in progress.
- Software databases, tools, analysis scripts being updated and developed.
- Working to determine the required resistances for charge-equalization of each pixel/fiber.
- Continue to systematically test all six modules.