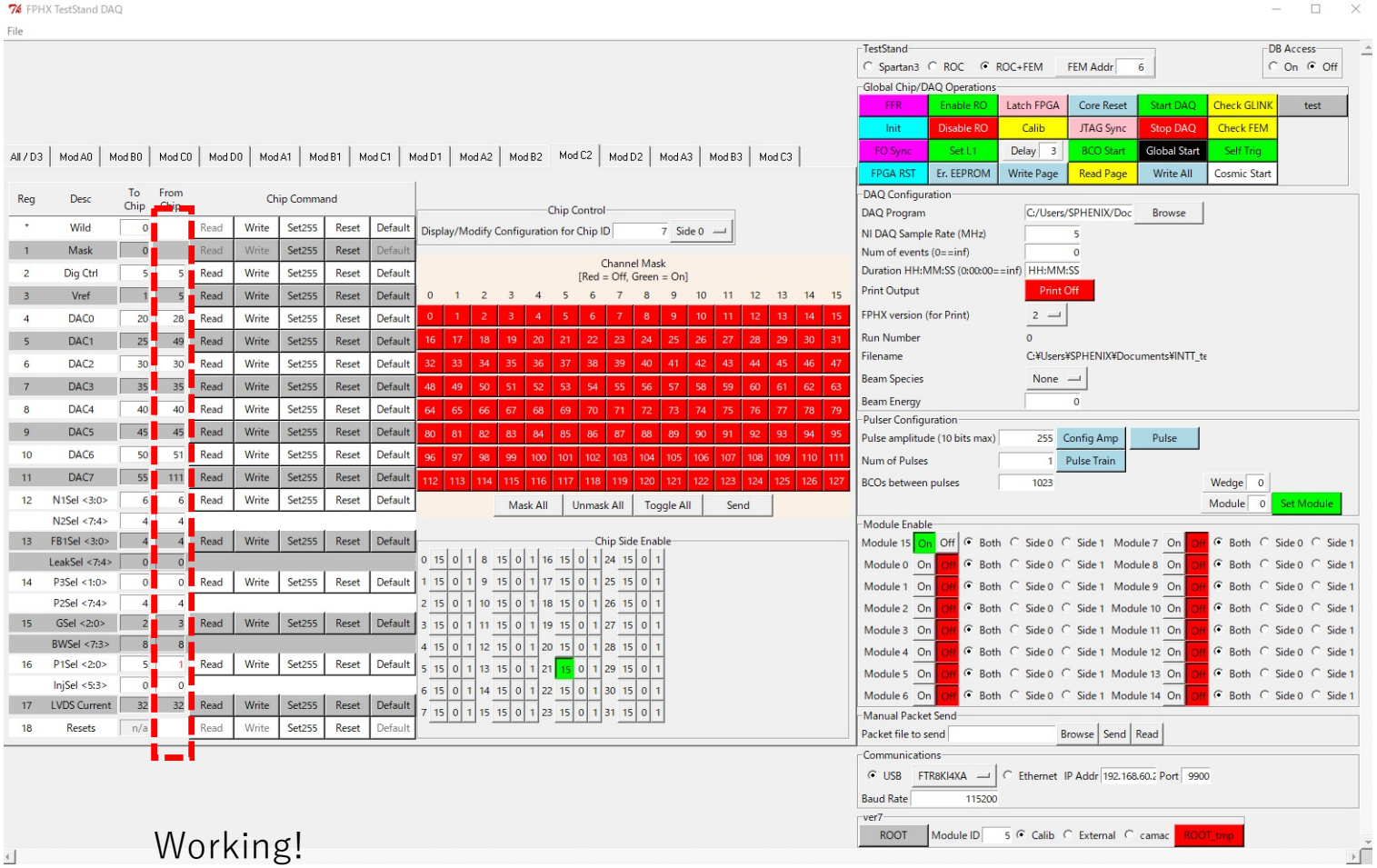
Beam Test Preparation @ NWU

RIKEN/RBRC

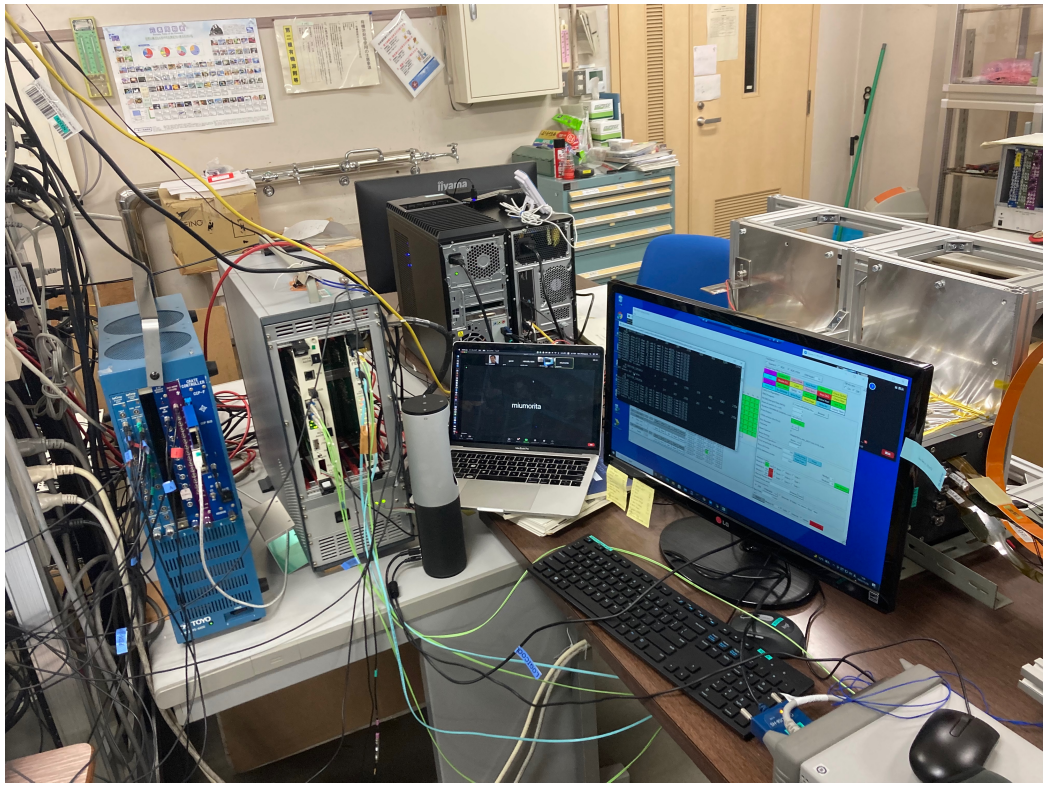
Itaru Nakagawa

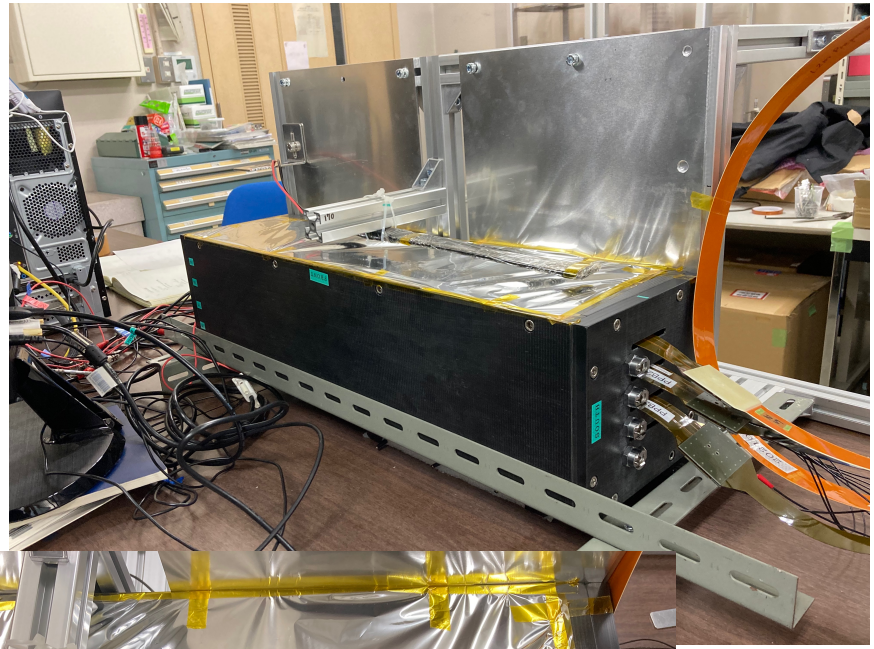
Readbacker

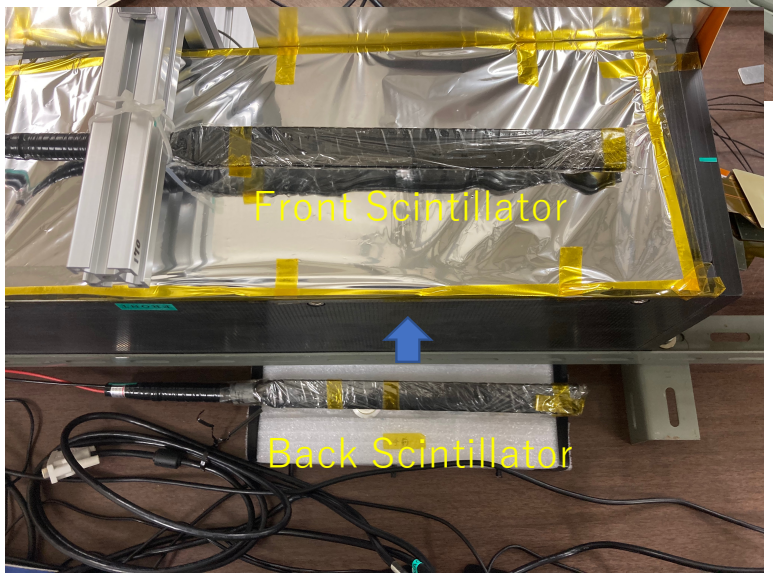


Working!

Cosmic Ray Data Taking

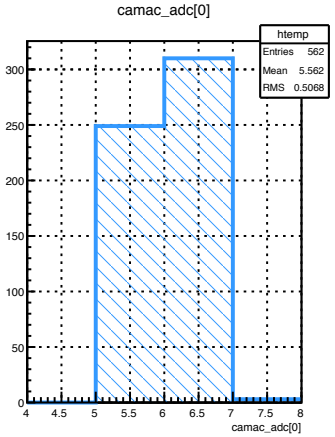


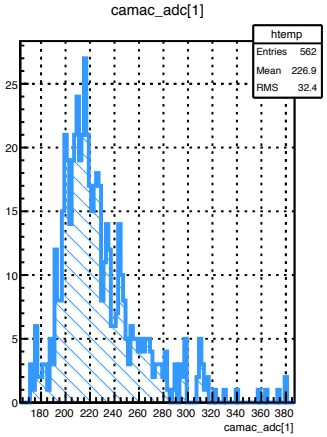


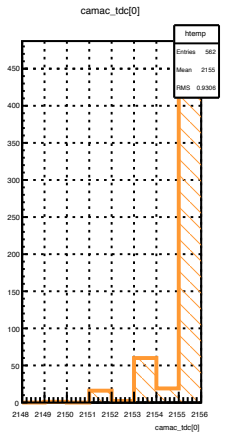


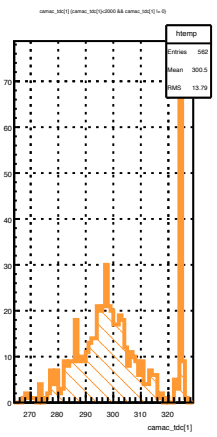
Thanks to Genki, Miu, Hikaru for support over the zoom!

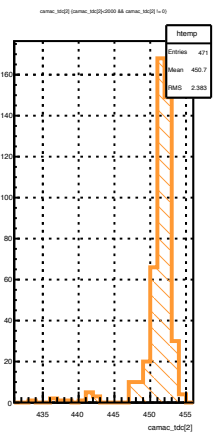
Run1126-0116 CAMAC Data Taking

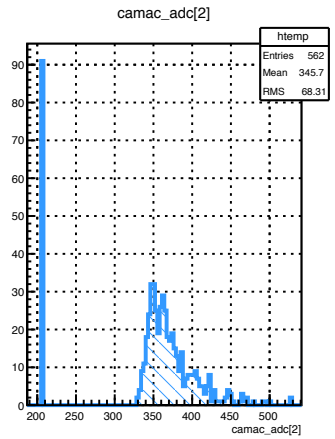


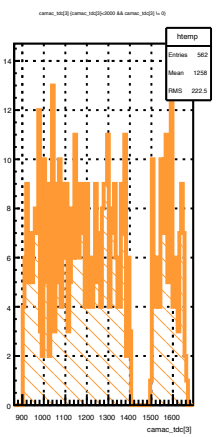


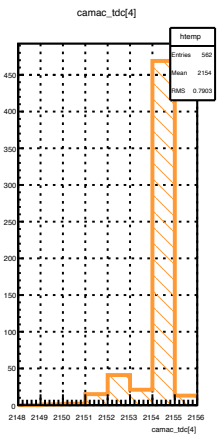


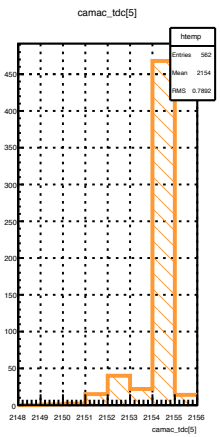






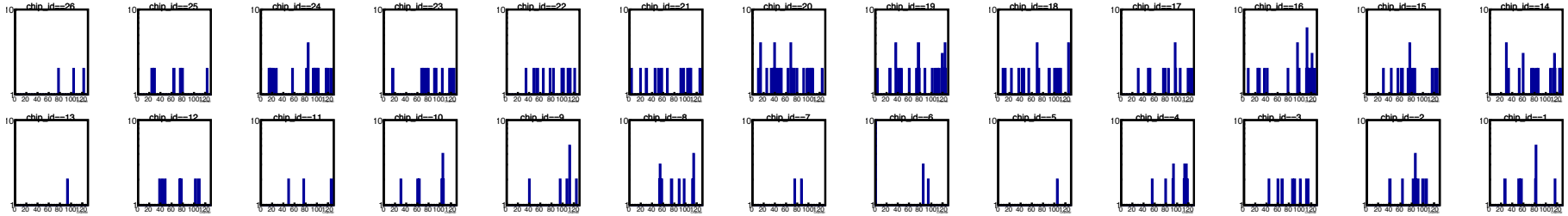




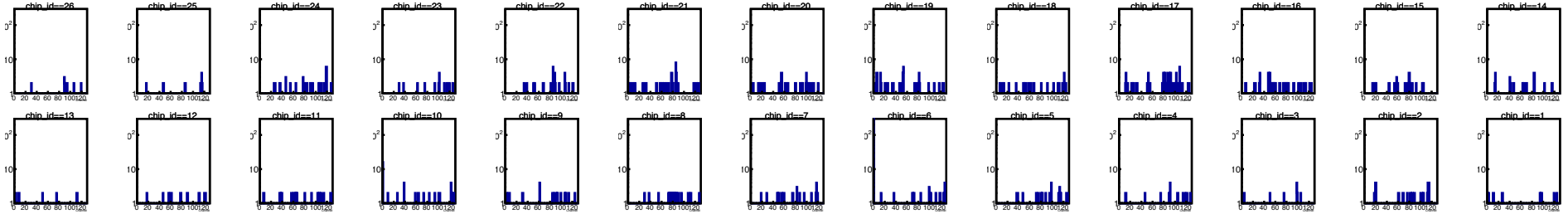


Channel Distrubution

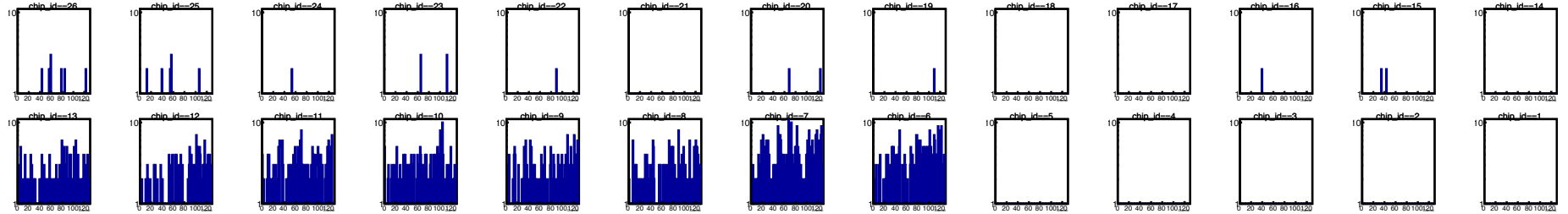
Module-8



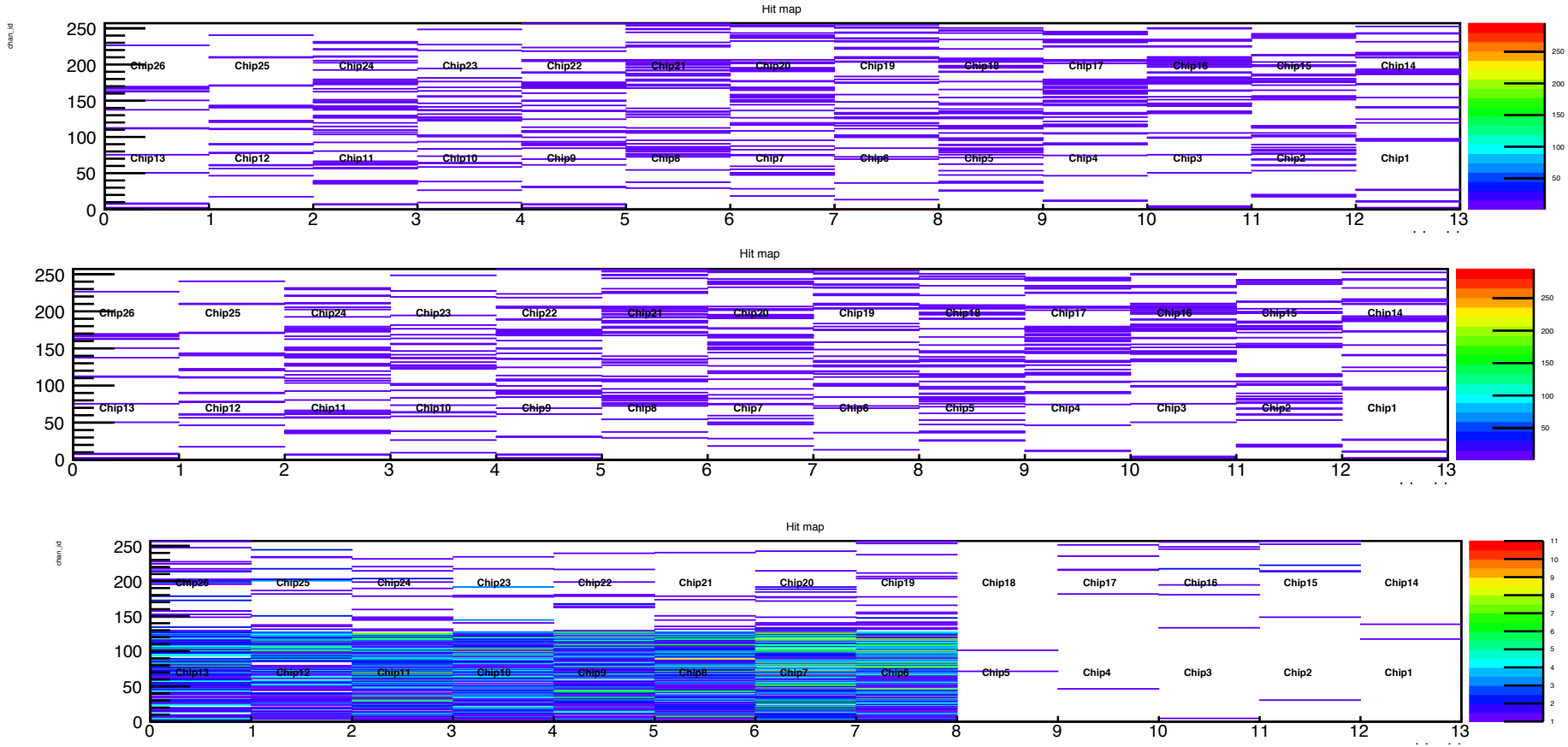
Module-6



Module-1



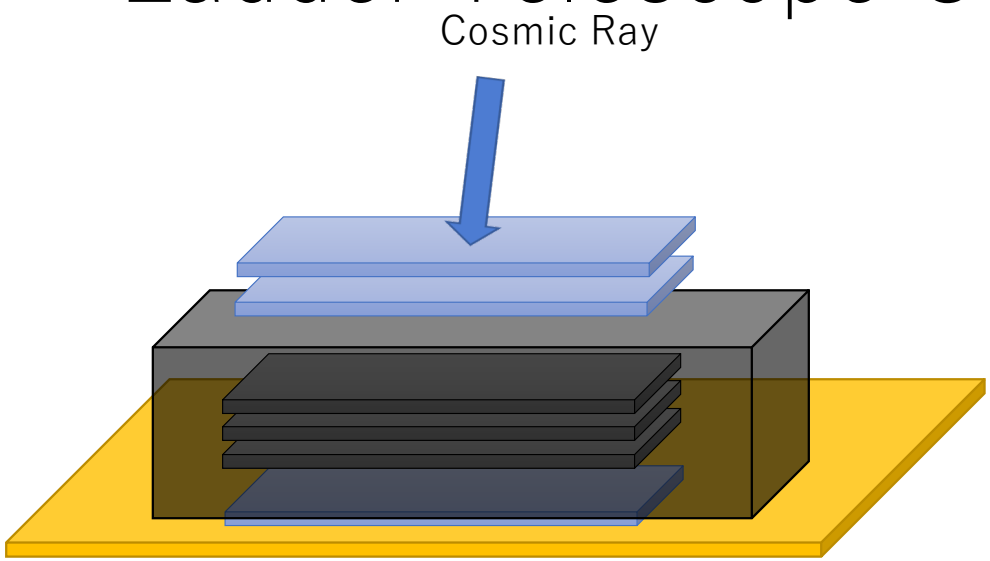
Hitmap


Hit map
chan_id
Chip26
Chip25
Chip24
Chip23
Chip22
Chip21
Chip20
Chip19
Chip18
Chip17
Chip16
Chip15
Chip14
Chip13
Chip12
Chip11
Chip10
Chip9
Chip8
Chip7
Chip6
Chip5
Chip4
Chip3
Chip2
Chip1

To do list this week

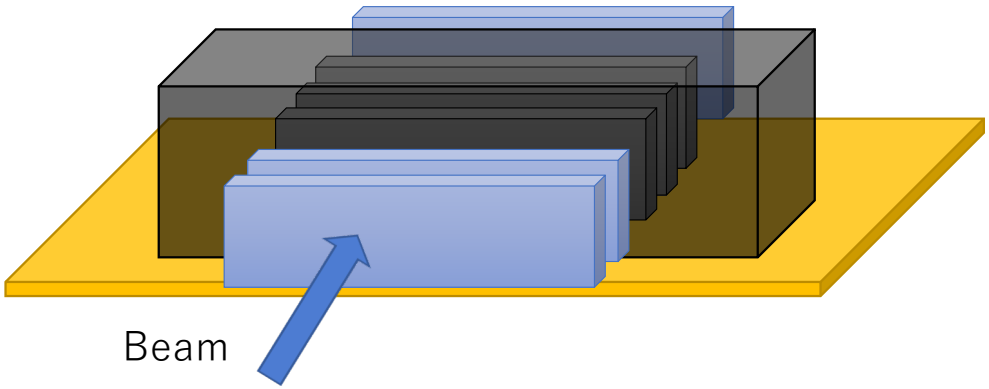
- Assemble the dark box. Drill holes to the aluminum plate. (done)
- Install 3 ladders telescope to the dark box. (done)
- Mount Trigger Scintillators to the ROC support frame (done)
- Setup cooling system
- Establish 3/4 folds scintillator trigger.
  - Install 100ns delay box. Test channels. (done)
  - Setup ADC/TDC. (done)
  - Test spare TDC module.
- Mount ROC to the ROC support frame and hook up 3 ladders. (done)
- Rotate ROC support frame by 90 degrees and start cosmic ray data taking with 2 folds coincidence trigger over the weekend. (long term stability test and tracking code tuning.)

Ladder Telescope Configurations



- To be taken data in NWU until packing starts next week. Hit data are to be used for the ladder alignment and tracking tune for Cheng-Wei's code.
- Continue to take data in Tohoku until Tuesday morning.

A. Cosmic Ray Setup



- Flip the cosmic ray setup by 90 degrees.
- No change necessary in electronics from cosmic setup to take beam data. (May be change 3 fold to 4 fold trigger?)

B. Beam Setup