

# Hall D Beam Test Daily Meeting

2026/4/3

Bobae Kim

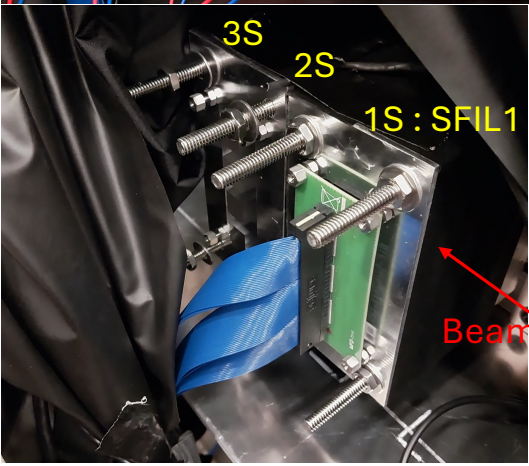
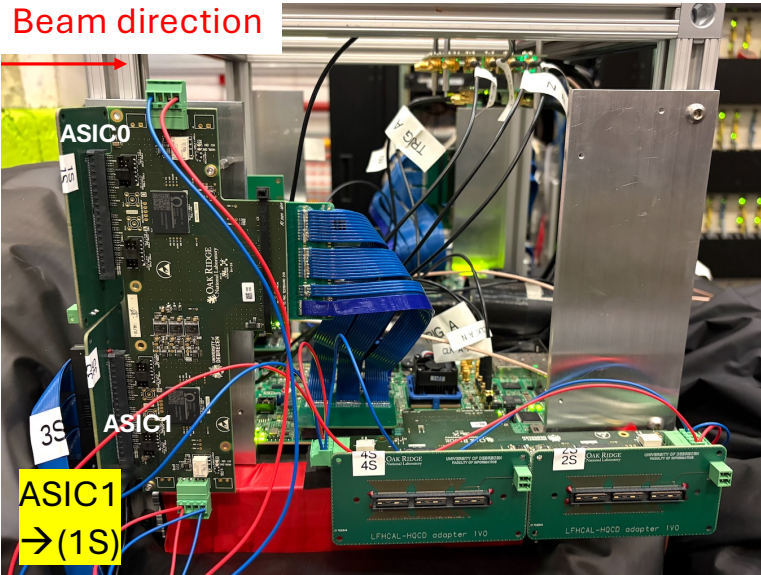
Minute: <https://docs.google.com/document/d/10sBuFyzrsiE37Q3uTJw9xXI-dZbi6K73QkQKf1MVfFg/edit?tab=t.0>

# Updates (1)

- Update from yesterday
  - Olaiya/Bokyung/Bobae
    - to set function generator for Henry to test increasing CAEN rate
      - Checked speed; then, changed into 'cosmic mode'
    - to check detailed mapping information with the current setup
    - checked all connections look good
  - Overnight Run 289 including KCU0, KCU1, AstroPix, and CAEN (still running)
    - Issue1: astropix stop taking data from 363,344
    - Issue2: still only <4 samples in h2gcroc.evt
      - Need to update decoder? ← Data format didn't change. Data is correct!
      - Project for this weekend!

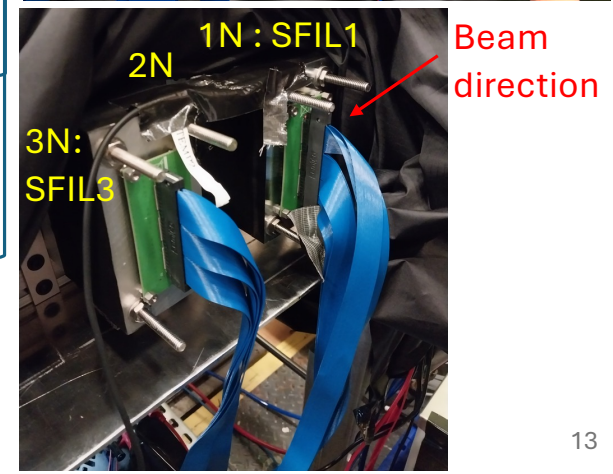
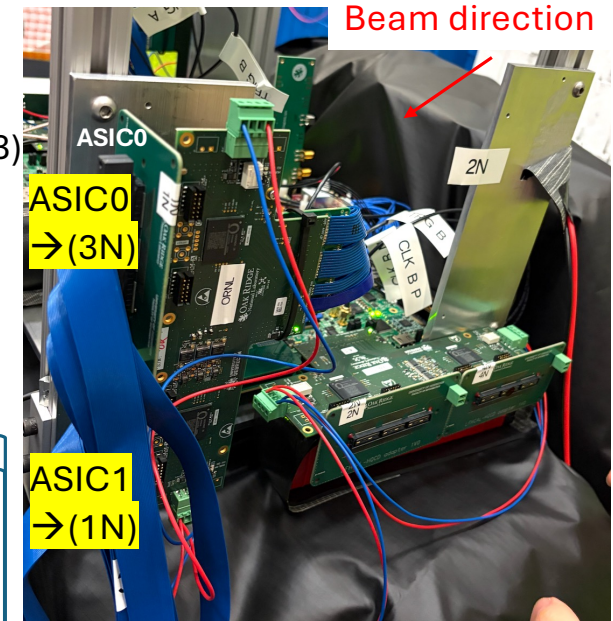
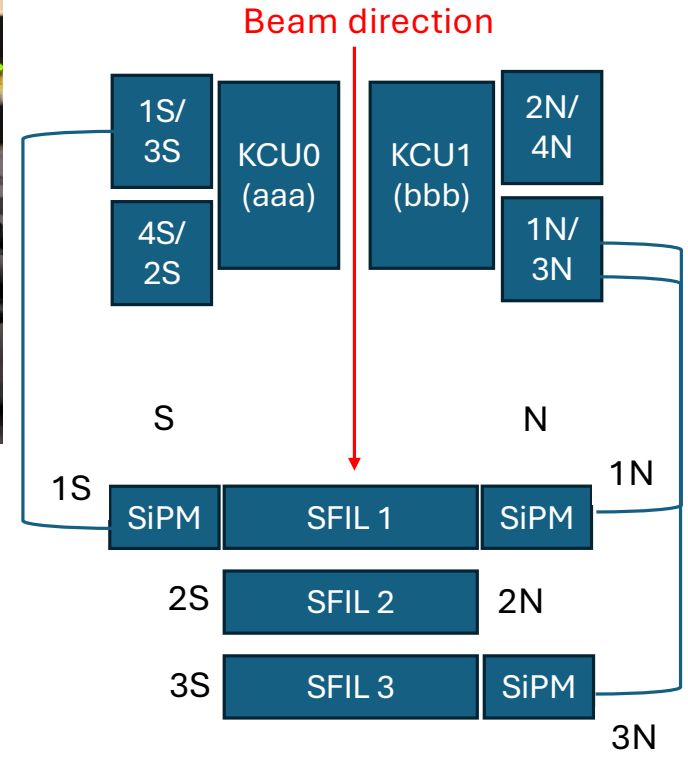
```
(base) mep@carbon:~/online_monitoring/h2gcroc$ daq_status
carbon:2 - Run 289 Event: 363344 Volume: 1457.45 Logging enabled
(base) mep@carbon:~/online_monitoring/h2gcroc$ kcu0
(base) mep@carbon:~/online_monitoring/h2gcroc$ daq_status
carbon - Run 289 Event: 33059 Volume: 8520.53 Logging enabled
(base) mep@carbon:~/online_monitoring/h2gcroc$ kcu1
(base) mep@carbon:~/online_monitoring/h2gcroc$ daq_status
carbon:1 - Run 289 Event: 33056 Volume: 8519.61 Logging enabled
(base) mep@carbon:~/online_monitoring/h2gcroc$ caen
(base) mep@carbon:~/online_monitoring/h2gcroc$ daq_status
carbon:3 - Run 289 Event: 283878 Volume: 6807.12 Logging enabled
```

# Current Setup (1)

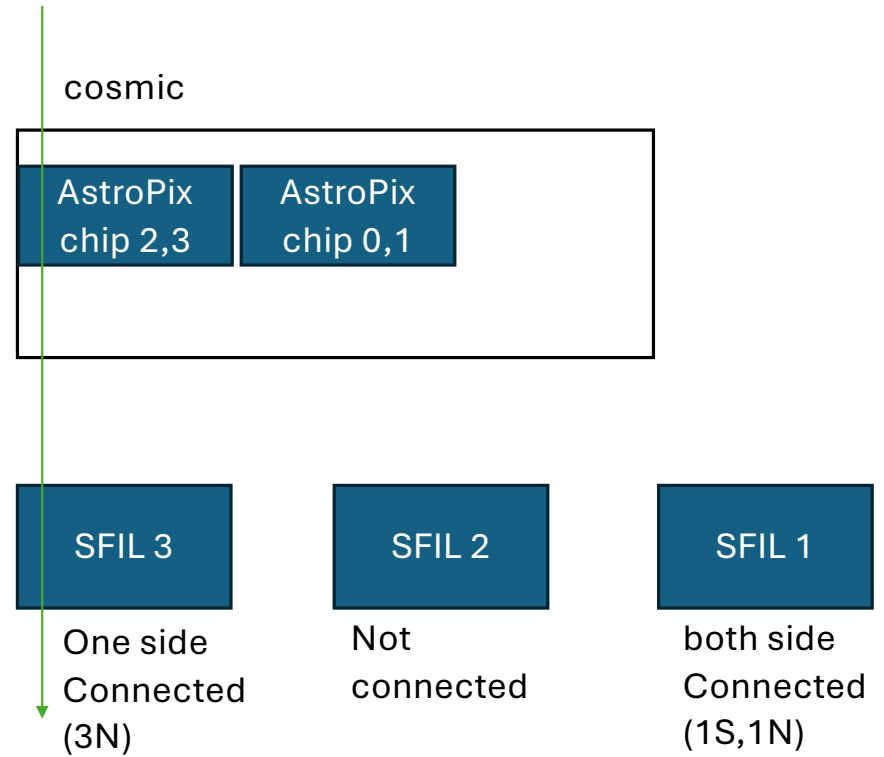


KCU0  
ASIC1 → 1S  
(ch72-143)

KCU1  
ASIC0 → 3N (ch0-71)  
ASIC1 → 1N (ch72-143)



# Current Setup and Plan



- Synchronization validation between H2GCROC and AstroPix
  - Check MIP signal from SFIL3
  - Compare FPGA timestamps between systems
  - Verify coincidence between H2GCROC and AstroPix events