

General (Stefan/Kin)

- Repeat from yesterday: We put a bunch of papers from the shift computer tables in a pile on the shelf below the RHIC monitoring TV. If there is anything important, claim them otherwise they'll get thrown out later this week (by Friday)
- Kin : RHIC was finally deposted during the (past) weekend.

Current Priority Items (PC)

- Get TPC to work (again)
- Continue DAQ development
- Cosmics data with rotated HCal coincidence trigger
- Identify work plan for subsystem maintenance so that we only open/close detector once
- Switch to HCal singles trigger after a few days of cosmics with new trigger for IHCAL tower-by-tower calibrations

Work Control Coordinators (Chris/Joel)

- Joel - No updates.
- Chris- No updates

Plan of the Day (Stefan/PC/all--to be revisited at end of meeting)

- Continue DAQ development while experts available
- Otherwise cosmics with new rotated HCal trigger area

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Evening (Chris McGinn)

- Cosmics trigger rotated by Dan - more detail in trigger report
- Ran standard cosmics, and rotated cosmics, and new alt cosmics
  - Alt cosmics is vertical + rotated but w/ tighter windows, so new rate observed is ~40Hz
- Couple MVTX clock errors, else ntr

Night (Christine Aidala)

- Continued cosmics running from Evening shift
- Three MVTX clock errors

Day (x)

- One hour of cosmic running at the start of the shift. Then essentially the entire shift was spent doing trigger and DAQ development. Only one MVTX clock error.

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Magnet (Kin)

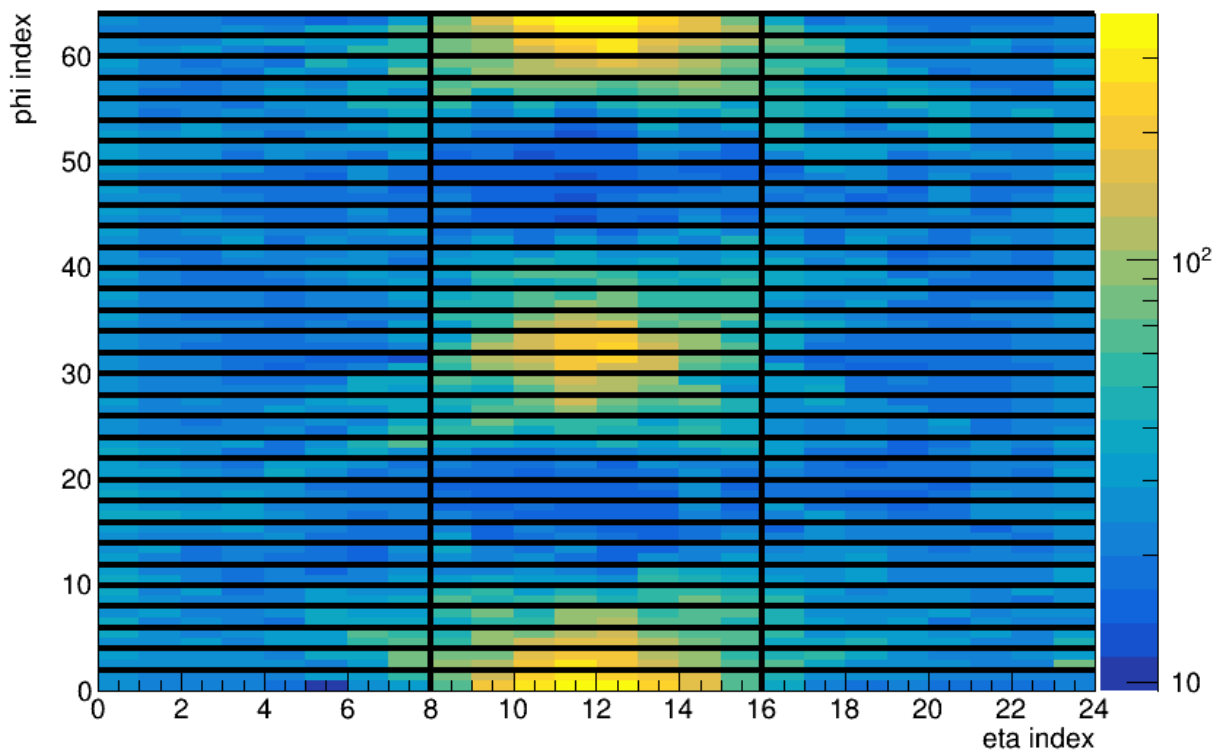
- Magnet temperature is drifting. The Cryo group is close to installing the jumpers (after all the work permits can be signed/approved).

MBD (Mickey)

- Nothing to report

- Trigger (Dan)
  - New tighter coincidence windows for Vertical and Horizontal triggers was not a successful test. Moving back to individual vertical/horizontal set-ups.
  - There is a lot of noise in the innerHCAL channels to do the Outer-Inner Coincidence
  - Updated HCAL LL1 firmware. Includes 3 triggers to choose from (again, to be used separately)
    - Full - For HCAL calibration
    - Vertical - Coincidence between top and bottom quadrant. Added a requirement that requires a hit on opposite sides of z=0 plane to further constrain the cosmics.
    - Horizontal, same as Vertical but rotated. May require more searching through data because vertical cosmics passing through the east and west sides of the Outer HCAL will be fired on more.

**Tower Average Energy[ADC]**



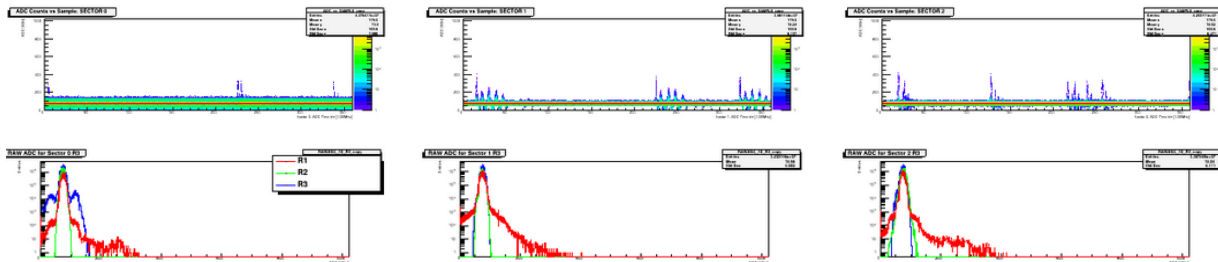
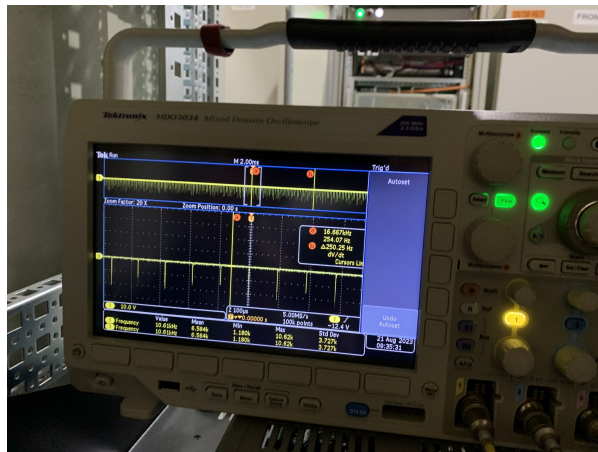
- GTM/GL1 (Martin/Dan/John K)
- DAQ (Martin/John H)
  - New code has been pushed to GIT and has been built; working on a speed test; next will be to look at seb05 and 06 (tonight)

## MVTX (Cameron)

- NTR

## TPC (Tom Hemmick, Jin, Takao, Evgeny, Charles, Bob, Ross, Rob)

- Preparations for insertion of canary chamber into IR ongoing
  - Frank gave all his cables to Bob
  - Jeff and Aaron continuing to work on rack
  - Frank says tomorrow/Wednesday the rack will be mounted in the IR
- Continuing measurements with Rob's gas in the canary
  - Evgeny + Bob doing so in Bob's lab today
  - Tracing full gain curve over multiple voltages at similar TPC pressures
  - Can use as a basis of comparison
  - Important to do this before inserting canary into IR
- Pulser Test
  - Without John K., we have to reverse engineer it
    - Takao and John H. tried
  - We gave up on this, just decided to hook up the pulser in the rack to the spark cables (Sec 0, 1, 2 R1 only)
    - 10 kHz pulse
    - Look for signals in TPC OnIMon
    - Running TPC in local mode (1 Hz random trigger)



- **WE SEE SIGNALS WITH THE PULSER TEST**
  - So why don't we see them with diffuse laser/cosmics ?
  - This test rules out floating grounds/readout/DAQ issues being sole cause of signal disappearance
  - But Rob's gas has (probably) been ruled out too (Friday) ...

- So... maybe leaks downstream of bottles or something in GEM stack...

HCal ()

- No known required maintenance in the bore at this time.

EMCal (Sean)

- Nothing to report
- No known required maintenance in the bore at this time.

TPOT (Hugo)

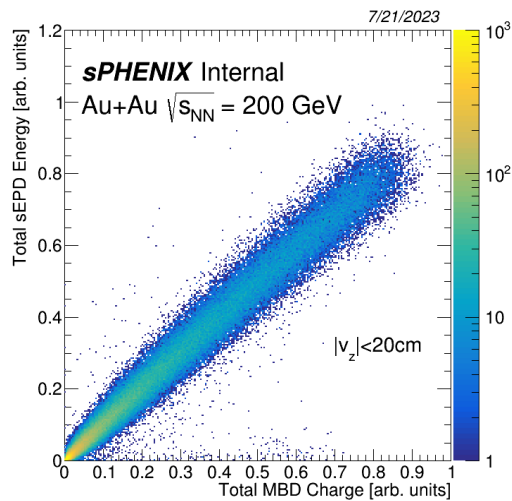
- Nothing

INTT (Genki)

- No news

sEPD(Rosi)

- Waiting for bias jumper in order to turn the bias on (Eric will follow up with Sal)



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- JaeBoem made the above very nice plot with the correlation between MBD and sEPD - we have learned that we need to operate in the regular gain mode.

Gas/Cooling ()

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ZDC ()

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Background Counters ()

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Online Monitoring (Chris)

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