General (Stefan/Kin)
- Kin: Jim Mills organized a meeting including the TPC group and the Work Control Coordinators et. al. and agreed on how to start building (asap) a temporary setup to test the working (spare) GEM with the exhaust of the TPC gas in 1008-IR. We'll have EEI and EMII inspections so that C-AD would know.

Current Priority Items (PC)
- Get TPC to work (again)
- DAQ development to get to high speed
- Exercise all detectors and read-out by taking cosmics data
- Identify work plan for subsystem maintenance so that we only open/close detector once

Work Control Coordinators (Chris/Joel)
- Chris
    - SEPD Electronics box was successfully installed
    - Electronics cooling water was introduced to SEPD cooling panels and electronics box. No leaks detected
    - Flow switches were successfully tested

Plan of the Day (Stefan/PC/all–to be revisited at end of meeting)
- Continue cosmics with HCal coincidence trigger (shift crews)
- Work towards investigating cause of TPC problem (test chamber, experts, technicians))
- DAQ development (experts)

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Evening (Chris McGinn/Virginia Bailey)
- Added in sEPD/ZDC (off at shift start) per plan
- Removed LL1 after expert discussion (not useful at this time)
- Martin performed some HCal testing 6-7; see his update
- A number of MVTX clock errors causing stop/starts; in addition occasional hot tower in region of cosmic trigger; else no real issues

Night (Christine Aidala)
- MVTX clock errors L2_01, later L2_00
- Fire alarm at 03:50! Zone 24 (8 O'clock Tunnel, Equipment Area 9B). Determined by fire department to be due to a faulty smoke detector.
    - Shouldn't leave any vehicles parked right by building entrances
- INTT LAD2 alarm, lost interlock.
- seb17 (HCal) stopped taking data. Forgot MVTX Finish Run and MVTX ended up stuck with MIXED FSM Status--expert fixed at beginning of Day shift.
-

Day (C.Woody)
- MVTX control hung up and had to be restarted and restore all GUIs
- INTT LAD2 cooling has been off since last night. Rob Pisani worked on it during the day and found some dry air lines had been disconnected from the chiller. He reconnected them and thinks this may solve the problem. Currently waiting for flow rate to come back up so that we can turn on the INTT. Currently the INTT is not in the Big Partition.
- sEPD and ZDC were taken out of the Big Partition this morning at the request of the sEPD group so that they could work on the sEPD.
- CAD did a scheduled test of UPS backup power in order to test generator backup. Test went smoothly without any problems.
- CAD also worked on fixing faulty fire alarm. However, alarm panel still shows fault.
- Martin took over DAQ around lunchtime to do DAQ development work so we did not take any cosmic data this afternoon.

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Magnet (Kin)
- Magnet temperature ~ 50 K (increasing very slowly now).

MBD (Mickey)
- Nothing to report

Trigger (Dan)
-

GTM/GL1 (Martin/Dan/John K)
- Before I hand the DAQ back to the shift crew I will switch to v49.

DAQ (Martin/John H)
- The new jseb2server is 15 mins from being ready to be deployed -
  ```
   Configuration file
  /home/phnxrc/operations/emcal/seb01_emcal.scf with md5 sum
  e2bfb962ba9ff366c46bfbaaff5b6adb
  ```
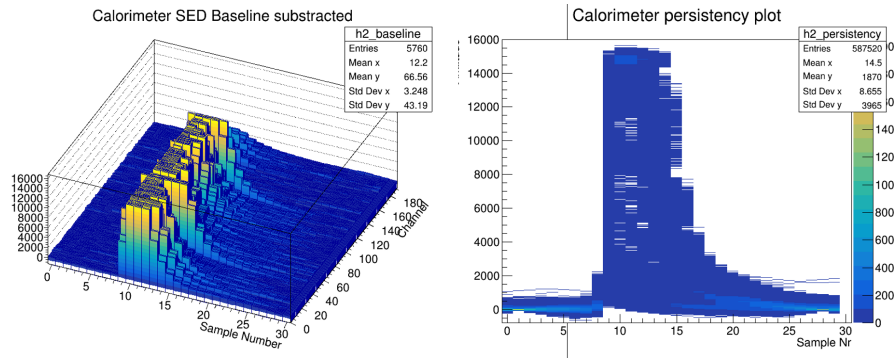 Change anything and…
  ```
   Configuration file
  /home/phnxrc/operations/emcal/seb01_emcal.scf with md5 sum
  85e4c27722ec78eff863d11f3fc44f91
  ../../digitizer_plugin/jseb2server.cc 582 new config file
  /home/phnxrc/operations/emcal/seb01_emcal.scf with digest
  85e4c27722ec78eff863d11f3fc44f91 old is
  e2bfb962ba9ff366c46bfbaaff5b6adb
  ```
  Need to remove some debug prints, then ready to go.
  As I explained a few days ago, this keeps track of what config file is actually loaded, and makes a full reload if there is any change (and uses the md5sum to figure that out). This is to reduce the need for "situational awareness" for the shift crew - the system should know and relieve you from having to know.

- Tested the new ADC format last night (with the old DCM2 code)

Works just fine. New (interim) decoder for this is available. See
https://sphenix-intra.sdcc.bnl.gov/WWW/elog/DAQ/451 for details.

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- Jaebeom is re-arranging the BigPartition order so the GL1 and all seb constituents come first - this is for the benefit of this GUI:

MVTX (Michael Peters)
- Investigating RU clock errors
- Request for shifters: include which particular stave went into clock error in the DAQ operator log when you stop the run
  - Update: what's being done right now (time and location) is perfect, thanks!

TPC (Tom Hemmick, Jin, Takao, Evgeny, Charles, David, Rob, Bob, Ross, John K.)
- Today 08/16:
  - Commissioning Workfest Meeting
    - got most of what we need in the document already
  - 115 PM Meeting
    - Met with Jim, Chris, Joel, Kin, Bob, Frank, and Tom in IR
    - Clarified that best course of action is to have canary chamber on 2nd floor east (as stated yesterday)
  - General:

- Thanks to Jim, Craig, Jamie, John H., Stefan, Christof, Tony for great discussion at various points
- Jamie Nagle idea: confirm TPOT and TPC are running same readout firmware. If not, have TPC try TPOT firmware
- John H. idea: pulser test. Was going to try today but we need John K. who is unavailable. Probably won't do until tomorrow
- We will want to go ahead and pulse every GEM module as well as perform connection test for spark box
- Going to have to do without David ☹️
- **Rob's idea: take CF4 gas and put it into Bob's chamber in 510**
- Meantime, putting together a timeline of the TPC

HCal (Virginia)
- (probably won't make it to the meeting) Martin took LEDs with the HCal last night and we saw signals, so the problem reported yesterday seems to be resolved

EMCal (Sean)
- EMCal group is turning OFF the SiPM bias voltages as the default state to reduce wear and tear on the calorimeter. Bias can be turned ON as needed. Anthony is doing this now

TPOT ()
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INTT (Genki)
- INTT has been taking cosmic ray data.
- The chiller issue happened at 5am, and Rob fixed it.

sEPD(Rosi)
- Final steps of installation ongoing
  - Jumper for bias supply being made, should be ready tomorrow
- South sEPD powered off and should remain out of runs for now, will inform shift crew when we are ready to be added in.

Gas/Cooling ()
- Kin: Rob Pisani is contacting a vendor for analyzing the TPC gas composition and he needs a couple days to build something before he can send the gas sample out.

ZDC (John H)
- SMD HV is off and power supply removed

Background Counters ()
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Online Monitoring (Chris)
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