

General (Stefan/Kin)

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Current Priority Items (PC)

- Get TPC to work (again)
- DAQ development to get to high speed
- Continue cosmics data, rotate HCal trigger area tomorrow (?)
- Identify work plan for subsystem maintenance so that we only open/close detector once

Work Control Coordinators (Chris/Joel)

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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)

- MVTX clock errors at L2_17, L1_05 observed and cleared
- Issues in TPC and MVTX - cleared after iteration w/ experts
- INTT in after Rob released flow interlocks
 - Some initial issues observed in the LV of the INTT but cleared after iteration with expert
 - Note: INTT standing orders updated to indicate BOTH experts to be called on cooling issue
- Shift ended w/ INTT in and taking cosmics w/ GL1, MBD, HCal, TPOT, TPC, MVTX

Night (Christine Aidala)

- Very quiet and smooth shift
- MVTX clock errors L1_02, L2_17, L1_13
- Twice MVTX didn't count at the start of the run, fixed with Fix_MVTX_OR_TPC_StartRun.sh
- Jin Huang reset trigger spacing protection for TPC. DAQ live time now expected and observed to be 90-95%.
- seb18 (MBD) stopped counting. Restarted fine with new run.
- AH external door found locked but not completely latched

Day (C.Woody)

- Very quiet shift. Finished run inherited from the night shift around 9:00 am and turned the DAQ over to Dan for development work. No additional cosmic data was taken.

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Magnet (Kin)

- Magnet drifted to 55 K now.

MBD (Mickey)

- Just took a LED run, and found the laser timing shifted again!

Trigger (Dan)

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GTM/GL1 (Martin/Dan/John K)

- Version 49 is in place

DAQ (Martin/John H)

- The new jseb2server version has been activated.

MVTX (Yasser,Ming)

- We are investigating the origin of CLOCK_ERROR
- Investigate possibility to add additional shielding for beam background

TPC (Tom Hemmick, JIn, Takao, Evgeny, Charles, David, Rob, Bob, John K., Nick)

- GTM reboot yesterday means TPC needed to reload trigger spacing protection
 - Charles did not do this before next run started
 - Jin did it last night, consulting with John H. put to [default at GTM boot at /etc/rc.local](#)
 - We need a deep power cycle to recover stuck FEEs
- Arranging logistics for canary chamber insertion into IR
 - Frank + Joel visited Bob's lab to inspect canary this morning
 - Joel in 510 w/ chamber now
 - Jeff, Aaron + Bill Lenz making rack for mounting to railing in IR (2nd floor East)
 - Frank is cutting HV and signal cables
- Arranging logistics bringing Rob's Ar/CF4 bottles to Bob's lab
 - Rob took care of this
 - Rob arranged for pick up/drop off - looks like late today or early tomorrow
 - We expect to perform this experiment tomorrow
- Dual gas experiments allow for interesting scenarios:
 - Canary signals disappear with Rob's bottles
 - Suggestive of contamination at the the source
 - Canary unaffected by Rob's bottles, but signals disappear when in TPC exhaust
 - Suggestive of leaks from gas lines or at the TPC
 - Canary unaffected by Rob's bottles, and unaffected when in TPC exhaust
 - Rules out gas as cause of disappearance of signal
- Other plans:
 - Still arranging for logistics w/ John K. on pulser test
 - Probably tomorrow/next week
 - Contacted Hugo about comparing TPC/TPOT SAMPA configs
 - Suggested by Jamie
 - Hugo pointed me to his configs, I will look at them later

HCal (Stefan)

- Discussed with Hanpu and Shuhang about cosmic calibration:

- Would be good to try to redo oHCal calibration in 10 h. This would allow tracking time dependent calibrations with cosmics. This requires masking of hot towers. Dan will look into this next week
- Would be good to do a tower-by-tower calibration for iHCal (right now statistics only good for overall calibration); this requires about 10 x as much statistics as oHCal (so about 100 h if previous item (oHCal t-by-t calibration repeat in 10 h) can be achieved)

EMCal (Sean)

- Nothing new to report

TPOT ()

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INTT (Genki/Rachid)

- Rob Pisani found that the dry air line that feed the lad2 CDU was pulled out. This can cause the chiller to trip. Rob put it back.
- The documentation was updated for clarification to the shift crew:
In cooling section:
 - 3) Call the expert: Robert Pisani (first), and Rachid Nouicer (second)
“and” in the sentence was not clear enough, we added “BOTH”
Replaced by:
 - 3) Call **BOTH** the expert: Robert Pisani (first), and Rachid Nouicer (second)
- Smooth data taking when the chiller is OK.

sEPD(Rosi)

- We are fully installed!! We will turn everything on after the meeting and set it up and let the evening shift know when we are ready to be included.

Gas/Cooling ()

- Kin: Still waiting for the “proper” BNL staff to take the Ar/CF4 gas from 1008 to 510 😞

ZDC ()

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Background Counters ()

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Online Monitoring (Chris)

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