

HCAL Biweekly Meeting Minutes 9.1.21

Nominal Agenda:

- TDC reference time
- Cosmic tests ongoing
- Installing HV box
- Replaced HV card
- Linear FIFO issues
- Looking for 2 SHV T connectors
- Other topics

Attendance:

1. Sebastian Seeds
2. Brian Quinn
3. Donald Jones
4. Scott Barcus
5. Jim Napolitano
6. Arun T
7. Bogdan W
8. Nathaniel Lashley

Actual:

Scott

- TDC ref
 - SBS-offline changed to expect TDC and ADC separately
 - Can receive timing info out
- Trigger monitoring
 - Will send line from all superclusters to DAQ and spare ADC to analyze
- First up when beam
 - Energy calibration with elastic p into HCAL
 - Code being updated
- Spare HV cable box needed to power cosmic paddles
 - Installation in progress
- Replaced HV cards
- Linear FIFO
 - Lacroy are bad – need replaced/repaired
 - Will look into it
 - Will affect GEN-RP trigger if not replaced
 - Will check 60 Hz noise on trigger input
- COVID
 - Submit proof of vaccination for access
- Trigger timing
 - Checked with Bob – waiting for BB

- Look at dead time rates. Can be done with coincidence cosmics and pulser

Brian Q.

- Jlab Phototubes
 - Different number of pins
 - Photonis documentation 2282 (no b exists)
 - B has different number of pins with different layout

Arun

- BB Pulser tests complete
 - Can setup scalar tests with Bob tomorrow
 - Can run these with D. Flay as well
- Brian has 4x HPF to test, if needed
- Will run trigger into DAQ to test if baseline flux relevant for HCal