

BigBite Working Group Bi-Weekly Meeting Minutes

8.25.2021

Agenda:

- Cabling of scaler modules - Arun
- Mapping checks - Provakar/Mark
- Cabling of HCal threshold monitor from BBCAL discriminators - Provakar/Arun
- Software status: replay, analysis, pedestals - Provakar/Mark
- Status of pulser measurements - Bogdan/Provakar/Arun
- Suggestion to measure coincidence time and EDT - Bob Michaels's suggestion
- Strategy of calibration of BBCAL - cosmic and under beam conditions - Provakar/Arun

Attendance:

1. Sebastian Seeds
2. Bogdan Wojtsekhowski
3. Arun Tadepelli
4. Scott Barcus
5. Robert Michaels
6. Eric Fuchey

Actual:

- Cabling of scalars is complete
- Mapping checks
 - Corrected some channels and added extensions where necessary
 - PS and SH
- Threshold monitor
 - Low pass filter designed by Sebastian available if ground loop noise emerges
- Gain match amplifiers to LFIFO
 - Provakar to use pulser to evaluate effective gain over all channels and match
- Pulser tests for coincidence trigger
 - Bob Michaels to work with BB and HCal this afternoon
- Software
 - Ongoing – need timing cut
 - Cosmic calibration needs e_dep from cosmics on SH and PS
 - Energy calibration code needs updated for BB
- Calibrations
 - Elastic e from H -> 1 uA to 1 kHz rate
 - One pass beam for 3-4 days
 - Energy passed to HCal – timing passed back to BB
 - Energy calibration depending on tracking ready for beam
 - Energy deposition different between PS and SH due to density difference