

Minutes – SBS Weekly Meeting for 27 January 2020

1. Choosing a collaboration meeting date in March and planning agenda (Andrew Puckett)
 - 1.1. Meeting 1.5 to 2 day meeting
 - 1.2. Partially on a weekend
 - 1.3. Coordinating committee to poll collaboration soon
2. Hall A meeting
 - 2.1. Attend if you can
 - 2.2. Reminder of the SBS presentations for Hall A
3. Brief verbal status reports on subsystems (Contact persons)
 - 3.1. Software (Andrew)
 - 3.1.1. Production simulation work for stress testing (in progress)
 - 3.1.2. Working on what to run (physics, etc.)
 - 3.1.3. Bug fixes and convenience updates
 - 3.1.4. Updates for GEANT 10.6 release
 - 3.1.5. GEM test from 2016 (students to simulate)
 - 3.1.6. Digitization library is in good shape
 - 3.1.7. GEp alternate configuration in G4SBS simulation
 - 3.2. DAQ (Alex)
 - 3.2.1. Putting together DAQ machine
 - 3.2.2. CODA3 switch
 - 3.2.3. BB GEM DAQ be ready; install in TED building in next few weeks
 - 3.3. BB detectors (Bogdan)
 - 3.3.1. Removed all lead glass; phototube health; 25 tubes
 - 3.3.2. Mu-metal installed; 24 lead glass install;
 - 3.3.3. Last 3.5 layers have “problem” PMTs; replace? ~\$10k
 - 3.3.4. Working on cable organization to improve installation
 - 3.3.5. GEM preparation; frame test fitted
 - 3.4. GRINCH (Bradley Yale)
 - 3.4.1. ADC cables rearranged/consolidate;
 - 3.4.2. TDC cables to be moved to a conduit
 - 3.4.3. Analysis – reenergized; cosmic run looks good
 - 3.4.4. Analyzing GRINCH with cosmic rays; in progress
 - 3.4.5. Gas system hooked up; flow rate studies coming
 - 3.5. HCAL (Brian Quinn/Scott Barcus)
 - 3.5.1. Greasing of tubes
 - 3.5.2. Bigger cosmic trigger detector
 - 3.5.3. Cabling for ADC/TDC fixed
 - 3.5.4. Otherwise ready
 - 3.6. INFN GEM (Evaristo)
 - 3.6.1. Steps for installing INFN GEM frame to BB
 - 3.6.2. Italy work on testing GEM foil
 - 3.6.3. Additional module probably availing in near future

- 3.6.4. Debugging electronics
- 3.7. BB and ECAL (Mark)
 - 3.7.1. Nothing to report
- 3.8. Hall A analyzer (Ole)
 - 3.8.1. Multi-threaded version this year
 - 3.8.2. Deliver this summer
 - 3.8.3. No global variables; thread safe only, no static variables
 - 3.8.4. Structure of Hall A analyzer is limited
 - 3.8.5. Can expand the analyzer if needed by inheritance.
- 3.9. CDET (Peter)
 - 3.9.1. Still working on crosstalk of module 5th
 - 3.9.2. Should be done this week
- 3.10. BB Hodoscope (Rachael)
 - 3.10.1. Graduate Student working on simulation output; nino card offset
 - 3.10.2. Cabling arrangements by Bogdan and company
- 3.11. GEM (Thir / Todd)
 - 3.11.1. Working on cosmic data; detectors all tested out
 - 3.11.2. Frame for GEMs; allow for movement to remove; work on them
 - 3.11.3. Mechanism to lock down the GEMs
- 3.12. UVA Back-tracker GEM / Front tracker U-V GEM (Kondo)
 - 3.12.1. Prepared a full frame for back tracker GEM (behind GRINCH)
 - 3.12.2. Tested frame in BB; test went well;
 - 3.12.3. Materials for installing 5th layer in cosmic stand
 - 3.12.4. Bit of delay on U-V materials; Later Feb. receive materials; begin building
- 3.13. RP-Gen ... no update

4. Adjourn

Recorded by Will Tireman