

Minutes SBS Meeting April 18, 2012

Attendees: Bogdan Wojtsekhowski, Sergey Abrahamyan, Mahbub Khandaker, John LeRose, Kondo Gnanvo, Adam Sarty, Nilanga Liyanage, Seamus Riordan

1. Kondo Gnanvo gives a talk entitled "Update on GEM R&D at UVa – Part 2"
 - a. See [link](#)
 - b. Reports on activity at UVa over the last few months
 - i. Lists material already purchased
 1. Except for x/y strips readout boards ready to start construction
 2. 2 of 3 readout boards are ready.
 - ii. HV tests
 - iii. Mechanical stretcher
 - iv. Gluing
 - v. Frame preparation for gluing
 - vi. As soon as we have the readout boards we can start construction
 - c. New Design for GEM's
 - i. Frames for better gas flow
 - ii. Readout board modifications
 1. Panasonic connectors
 2. All on two sides, instead of four
 - iii. GEM foils: move protection resistors to an external board (no longer soldered to the foil itself)
2. Mahbub Khandaker gives talk on "Coordinate Detector Status Update"
 - a. See [link](#)
 - i. Discusses basic configuration
 1. Vertical plane of scintillator strips
 2. 4 m x 1 m
 - ii. Projected parameters
 - iii. Monte Carlo simulations started
 1. Effects of 15 cm plastic absorber
 - a. Reduction in electron rate
 - b. Increase in photon rate (results need further study)
 - c. Reduction in energy de[posited
 - iv. Plans for testing PMT's
 - v. Cost estimate ~\$218k + detector frames and cabling
 1. Adam Sarty says he hopes he can get a grant to cover part of the cost
3. Bogdan Wojtsekhowski reports on the present SBS "budget crisis"
 - a. Thought we had:
 - i. \$200k for GEM R&D
 - ii. \$200k for HCAL
 - iii. \$50k for A1N preparations
 - b. Now all in jeopardy