

Minutes: SBS Meeting September 26, 2012

Attendees: Bogdan Wojtsekhowski, John LeRose, Kees de Jager, Mark Jones, Gregg Franklin, Alexandre Camsonne, Charles Perdrisat, Vina Punjabi, Carlos Ayerbe Gayoso, Yang Wang, John Annand, Seamus Riordan, Thia Keppel, Evaristo Cisbani, Nilanga Liyanage

- 1) Gregg Franklin gives status report on HCAL
 - a) See [link](#)
 - i) Goes over general concept
 - ii) Design work has started
 - (1) Commercial Wave Length Shifter (WLS)
 - (2) Need light guides
 - (3) Found a company that can make them cheaply (\$13.8k)
 - (a) Still need to check optical properties
 - (4) Scintillator design considerations
 - (a) Need prototypes for testing
 - (b) Commercial is very expensive!
 - (i) Identified two possible production options
 1. JINR and FNAL
 2. Both will provide prototypes
 - (c) Attenuation is an issue. Possible solution is to run WLS down the middle instead of along the edge
 - iii) Gives overall status
 - iv) Cost estimate \$293k
 - b) Need a timeline
 - c) Bogdan asks Thia, is this list enough?
 - i) Detail is OK, make sure nothing is missing
 - ii) CMU has funding for contingencies
 - d) Plan is to make a ~two page document with estimated contingency by October 1.
 - e) Don't forget time needed to assemble
- 2) Evaristo Cisbani reports on front GEM Chamber status
 - a) See [link](#)
 - i) Gives general overall status and a list of people in Rome
 - ii) Electronics components
 - (1) Latest, new and improved, front end card
 - (2) New connectors
 - (3) New back plane
 - (4) Readout electronics (MPD v4) ready for production
 - (5) DAQ software is running and has been tested on 3 VME platforms
 - (6) HV divider and spark counter
 - (7) Measuring gas flow
 - iii) Assembly tools at Catania are ready to go
 - iv) Beam tests (shows setup and results)
 - v) Details short term plans

- 3) Charles Perdrisat recounts visit to Moscow and people from ITEP as regards the electron calorimeter
 - a) Had a fire at ITEP!
 - i) Not sure about budget
 - ii) Can't commit to giving us HERA bars at this time
 - iii) Bars may not be in very good shape
 - iv) They could build us a new front end calorimeter (\approx \$200k)
 - v) We will get 10 old modules (40 bars) from DESY for testing

-JLL