

Minutes: SBS Meeting March 6, 2013

Attendees: Bogdan Wojtsekhowski, John LeRose, Sergey Abrahamyan, Charles Perdrisat, Evaristo Cisbani, Carlos Ayerbe Gayoso, Doug Higinbotham, Seamus Riordan, Vahe Mamyan, Kondo Gnanvo, Alexandre Camsonne, Nilanga Liyanage, Mitra Hashemi Shabestari, Brian Quinn

A somewhat unusual meeting, a snowstorm in Charlottesville with a consequent power failure limits UVa people.

- 1) Nilanga Liyanage gives status report on GEM developments at UVa
  - a) All needed parts arrived early last week. Now have all components needed to construct two GEM chambers.
  - b) Started construction a few days ago
    - i) Gives details of activities
      - (1) Checking various components
      - (2) Bogdan is worried about leakage current on frames
      - (3) Bogdan is also worried about the maximum current from the power supply during ramp up. Do you trust the power supply to stop at a few micro-Amps? Recommends testing the power supply before risking a GEM. All agree.
      - (4) Clean room protocols discussed. In particular vacuuming was discussed. Recommended that one vent the vacuum outside the clean room. (Put the vacuum machine outside and run an extension hose into the clean room would work too.)
    - ii) Stretcher is ready
    - iii) Expect to finish the 1<sup>st</sup> chamber in the next couple of weeks and have both chambers by sometime in April.
  - c) Showed two plots ([linkx](#) [linky](#))
    - i) Used two small chambers sandwiching a large chamber.
    - ii) Plots show residuals between the small chambers and the large chamber
    - iii) Just proof that the system works. Will work to improve and study systematics.
  - d) Electronics:
    - i) Put in an order for INFN designed electronics for testing
    - ii) Also plan to expand SRS (from CERN) electronics setup
    - iii) Electronics costs are low compared to expectations.
- 2) Bogdan proposes a collaboration meeting in the May timeframe. Will work on finding an optimum time.

-JJL