

## SBS Weekly Meeting Minutes 3 February 2012

**Attendees:** John LeRose, Bogdan Wojtsekhowski, Sergey Abrahamyan, Charles Perdrisat, Gregg Franklin, Lubomir Pentchev, Mahbub Khandaker, Evaristo Cisbani, Vahe Mamyan, Kees de Jager, John Annand, Adam Sarty, Nilanga Liyanage, Yang Wang

- 1) Charles introduces Yang Wang to the group. PhD student from W&M
- 2) Gregg Franklin discusses the HCAL
  - a) It will sit behind SBS
  - b) Based on the calorimeter already used at COMPAS
  - c) Gives details of the concept (JINR to build it)
  - d) Status:
    - i) Doing simulations
      - (1) COMPAS 100 GeV we want 10 GeV
      - (2) We want better timing
      - (3) Have samples provided by JINR, using COMPAS design, and are using them to characterize and test the simulations
      - (4) Think the simulations are close to as good as can be
      - (5) Still studying the modules we now have
    - ii) Looks like what we need is:
      - (1) Faster PMT's
      - (2) Faster scintillators
      - (3) Faster wave shifters
      - (4) Etc.
    - iii) Need new scintillator (factor of 2 faster)
    - iv) Need to decide on wave shifter
    - v) Plan to move ahead manufacturing components once we decide on the geometric concept
      - (1) All would be produced at JINR
      - (2) Possible exception being a commercial wave shifter
    - vi) Manpower not an issue at CMU. They are flexible. Just need to define responsibilities
- 3) Bogdan Wojtsekhowski asks about a calibration system
  - a) Gregg answers:
    - i) COMPAS has a fiber system for calibration and gain matching and we have a cost estimate for that system
    - ii) Considering an LED system as an alternative
- 4) Discussion re setting up a contract
  - a) Look at JLAB/CMU strawtube contract as an example
  - b) Need about \$300k
  - c) JINR needs the money up front to start work
- 5) Kees de Jager discusses the DOE response to the PMP
  - a) Nothing of consequence

- b) Mostly small corrections John LeRose can handle alone
  - c) They want an annual report to the DOE Office. Not a problem.
  - d) Some things John will discuss with Lyn Wells
- 6) Next meeting Friday February10 at 9:30 in room F228 (watch for e-mail)
- 7) Re changing the meeting time and day to Wednesdays at 11, Wednesday is a very popular day for meetings at JLab. Getting a room is difficult. Bogdan proposes we move either to the ARC or VARC buildings. No one objects. So, he will look into getting a room in the ARC or VARC.

-JLL