

Minutes: SBS Meeting March 27, 2013

Attendees: Bogdan Wojtsekhowski, John LeRose, Alexandre Camsonne, Robin Wines, Todd Averett, Sergey Abrahamyan, Bob Michaels, Mark Jones, Doug Higinbotham, Kondo Gnanvo, Nilanga Liyanage, Adam Sarty, Seamus Riordan, Vladimir Nelyubin, Evaristo Cisbani, Gordon Cates, Brian Quinn, John Annand, Mitra Hashemi Shabestari, Vahe Mamyán

1) Todd Averett gives GRINCH update

a) See [linkpdf](#) or [linkpptx](#)

- i) Gives some background and design goals
- ii) Electron and Pion efficiency studies
- iii) Detailed drawings
- iv) Discusses mirror curvature and how to achieve it
- v) Photon Detector Array from NC A&T
 - (1) Prototype work in progress
- vi) Mirror reflectivity tests
- vii) Efforts to preform mirrors
- viii) Front end electronics
 - (1) Tests of NINO cards

(a) John Annand reports on the phone. There is some concern re solder joints. They are checking.

ix) Plans

2) Nilanga Liyanage gives UVa GEM Chamber update

a) See [link](#)

- i) Lists progress so far (today completed the 1st 50 x 50 prototype)
- ii) New clean room vs. old clean room (left vs. right on slide)
 - (1) New is not quite as good. Will get more fans.
- iii) Assorted pictures
 - (1) Cleaning technique
 - (2) Frames (varnishing of machined surfaces)
 - (3) Foil (new 50 x 50)
 - (4) Close view of foil (notice small dot in upper right quadrant)
 - (5) Bottom plane of chamber
 - (6) Testing frame and GEM foil in HV box
 - (7) Tested foil in stretcher frame and tension meters
 - (8) Foil drying after gluing
 - (9) Assembling chamber
 - (10) Completed chamber
- iv) HV test procedures
- v) Plans for the next few months