

Minutes: SBS Meeting April 17, 2013

Attendees: John LeRose, Alexandre Camsonne, Bogdan Wojtsekhowski, Charles Perdrisat, Kondo Gnanvo, Gordon Cates, Evaristo Cisbani, Nilanga Liyanage, Robin Wines, Sergey Abrahamyan, Vladimir Nelyubin, Brian Quinn

- 1) Robin Wines reports on the design status for SBS Basic
  - a) See [linkppt](#) or [linkpdf](#)
    - i) Shipping magnet details
    - ii) Power supply draft spec in hand. Seeking budgetary quote.
    - iii) Experimental configurations completed. Steel cutout defined.
    - iv) Field strength issue, somewhat less than original spec. Need full integral and maybe not really a problem.
    - v) Continue design of support and counter weight
    - vi) Shows design kinematics (If you think something is missing see AI)
    - vii) Shows various pictures and graphs
      - (1) Gusset design on magnet stand gets some discussion.
- 2) Kondo Gnanvo gives update on SBS Back Tracker work at UVa
  - a) See [linkpptx](#) or [linkpdf](#)
    - i) Preliminary tests and results
      - (1) Pedestal noise
      - (2) Cosmics data
      - (3) Gain (non) uniformity (some discussion gas flow vs. readout)
    - ii) Changes for the next two prototypes
      - (1) Faraday cage shielding (to reduce noise)
      - (2) Add safe area (1 mm) around the frame on GEM foil.
      - (3) New gas distribution (top to bottom instead of side to side)
      - (4) Adjust charge sharing by changing readout strip widths
  - b) Nilanga adds at end, these are all small changes from here. He expects to be ready to start production in the fall.

-JJL