

Minutes: SBS Meeting September 12, 2012

Attendees: Alexandre Camsonne, Bob Michaels, Albert Shahinyan, Charles Perdrisat, Bogdan Wojtsekhowski, Mark Jones, Kees de Jager, Doug Higinbotham, Yang Wang, Thia Keppel, Vina Punjabi, Carlos Ayerbe Gayoso, Brian Quinn, Cole Smith, Gordon Cates, Seamus Riordan, Adam Sarty, Nilanga Liyanage

- 1) Robin Wines presentation is postponed to next week
- 2) Charles Perdrisat gives talk on feasibility studies for the new electromagnetic calorimeter (NewCal)
  - a) See [link](#)
  - b) Assumes Hera-B middle section (gives details, 24x72 elements)
  - c) Acceptance issues related to a trigger at a fixed percentage of electron energy are unresolved
  - d) Trigger configuration
    - i) Large energy range is a serious problem
    - ii) PrimeX 36-channel adders
      - (1) Double overlap pattern
  - e) Use the same for HCAL?
    - i) 36 more adders (90 -> 126)
    - ii) Present plan for HCAL doesn't use fixed blocks, but this could be cheaper
  - f)  $Q^2$  distribution (slide 14)
  - g) Adders:
    - i) HCAL with adders would be cheaper
    - ii) How many can we get/do we have?
      - (1) Have 50 from PrimeX
      - (2) Hall B adders are not compatible (Cole Smith)
- 3) Bogdan Wojtsekhowski leads discussion of how things are going in negotiations with Dubna
  - a) They are taking it seriously
  - b) Charles is going to Dubna in a few days
  - c) Lots of if's in the scheme
  - d) Gregg Franklin negotiating with Dubna and FNAL re scintillators
    - i) Uncertainties re Dubna cost
    - ii) Uncertainties re FNAL technical capability
  - e) Possible contribution from INFN for HCAL (should know in a few weeks)

-JLL