Oct. 16
Wednesday, October 16, 2013
1:04 PM

David, Geoff Ickli Kabir Chris H.
Josh, Mark, Pavlos, Nadia, David, Michael.

* Integration — Josh
  - aim: 1st pass at complete model by next week mtg Tues/wed.
    Caleb — undergrad.
  - 30th: • mechanical design — Integration Mtg
    • how things fit together
    • alignment.
    • I talk on alignment issues.
    • Nadia — what we know about the beam already.
  - meeting w/ Liberty
    • design parameters

* SpinFlipper — Chris ordered test-piece. — next Friday.
  - I need shipping address for wire.
  - recap: drawings on Wiki:
    • round hole → 6.3" square hole.
    • will facilitate AL wire routing
    • designing gas-tight shell
    • roll cylinder, clamp → RTV sealant.
  - also Wed! meeting on SpinFlipper
  - David & Kabir - driving electronics
    • mock-up of load for RFSF
    • driver electronics
  - mounting issues.

  - need to measure beam position at 2 locations

* Ion Chamber
  - completed test assembly of frame stack
  - new pictures → assembly stand.
  - getting Josh up to speed.
  - rectangular solenoid — iterations w/ Bruce.

take advantage of room
  - space to drop things down
  - waiting feed back from Josh
- need direction of cables
- 90°, 180° rotations
- need a Faraday cage to mount ADC.in.
- Seppo measured 16 mG.
  - NIM pointing straight up
  - how long can cable be? - what direction?
  - in direct magnetic circuit.
  - want short cables
  - warmer
    NPDF: 1mG/cm
    n^3He: 3mG → todo: send document

* Preamps
- being tested by engineers
- issue with heat - need sinks
- tests down there:
  - stability depends on capacitance
- Bruce is designing cabling & housings.
- next: bring preamps up here and do noise tests.
- Johnson noise & dig noise within factor of 2.
  - noise measurement in hours

* DAQ - Kabir
- Set up on table, running
- discussed noise measurements
- using laptop, Seppo is ordering computer.
- question of admin. privileges?
  - ORNL machines receive upgrades...
- 30th DAQ meeting

- RAID array: make sure can be daisy-chained.
- 2 systems: DAQ, analysis computer.

* Students / Postdoc * thesis data

• Irakli – part-time
UMan: Mark, *Caulus.
Uky: *Kabir, Aaron
UTk: *Chris H (SF, pol), *Chris Coppolas
UNAM: *Andrés

David Geoff.