

April 23

Wednesday, April 23, 2014

1:10 PM

- \* Magnet Field - Libertad away
  - updates soon
  - Jack's mounts wrap around coils.
  - I'll call Libertad later this week
  
- \* RFSF - Chris
  - gathering dust.
  - capacitor in 7 weeks.
  - will order a smaller one for parallel:
  - Seppo - other capacitance: 3.6 nF. ✓ → 15 nF
  - ✓ I'll look into getting other capacitor
  
- \* WC - Mark
  - frame stuck & plates in place
  - waiting for bolts tomorrow
  - then housing
  - Friday: survey & alignment
  - next week: pumping down.
  - extra Kapton shielding.
  - have 4th feedthrough last week.
  
- \* Preamps -
  - will use existing boards
  - working on modifying boards. → < 2 wks.
  - will build a jig to plug in boards.
  - enclosures: 1 in hand.
  - one cable being made.
  - need 4 isolation transformers, ordered 6.
  - will test with 2 cables.

## \* DAQ -

- ready for 2-cable false asym.
- need to get the system running as realistic as possible.
- Kabir / Irakli / David will write-up procedure.

## \* Alignment - Christ H.

- identified laser for alignment.

- CAD drawing for 4 mounts

- 1) 2x beam monitor  $\leftrightarrow$  X-Y table.  
need 2x crosshairs

2x apertures  $\Rightarrow$

- David: 4 Li plates for jaws + 6x6 aperture  
Kurt J. Lesker: \$10K.

waiting for approval from Vince.

- Seppo: SNS costs for  $^6\text{Li}$ ? Scott Schwan, keeper  
 $\rightarrow$  Ken Herwig for permission

- want square hole

- 2) X-Y tables: attach to KANYA 80mm  
want crosshairs  $\frac{1}{2}$  aperture  $\frac{1}{2}$   $\frac{1}{4}$  corner cube hole.

- 3) laser beam mount - will sit in alcove.  
\$200 at Newport

Chris working on drawings.

✓ \* plan another alignment meeting.  
next week?

✓ \* make alignment wiki

✓ \* order PCI card

## \* MCNP simulations

- Nadia  $\frac{1}{2}$  Paul have a reasonable model
- problem: air-scattered neutrons capture in iron in roof

- will put Li Sheet on top of coil.

\* IRA - preparations - Seppo

- tritium issue: Geoff has to contact Don Gregory informally.
- need plan for emptying target
- don't need much safety documentation
- 2 weeks: start assembling committee.

\* Coils critical path to be ready by June.

- almost ready to order rails.
- SF mount almost ready circulate drawings.
- 10N chamber support: still interference
  - need longer pins.

\* will need jig to map out the fields

\* need to put proposals on Wiki.