

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 ✓ $\rightarrow 15 \text{ nF}$
 - ✓ 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. $\rightarrow < 2 \text{ wks.}$
 - 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 6Li? Scott Schwan. keeper
 \rightarrow Ken Herwig for permission
 - want square hole
 - 2) X-Y tables: attach to KANYA 80mm
want crosshairs & aperture & $\frac{1}{4}$ 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 & Paul have a reasonable model
- problem: air-scattered neutrons capture in iron in roof

- will put Li Sheet on top of coil.

- * IRR - 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.