

3rd Harmonic Monday Meeting Minutes

Date: July 23, 2007

Time: 9:00 A.M.

Place: Hermitage

Attendees (P=Present, Ph=attended by phone):

T. Arkan		N. Dhanaraj	P	T. Khabiboulline	P	N. Solyak	P
L. Bellantoni		H. Edwards		D. Mitchell	P	Y. Torun	P
H. Carter		M. Foley	P	D. Olis	P	G. Wu	P
M. Champion	P	E. Harms	P	P. Pfund	P	John Z.	P
L. Cooley	P	A. Hocker	P	S. Reeves	P	E. Vogel	Ph
C. Cooper	P	H. Jiang	P	A. Rowe	P	L. Ristori	P

Minutes recorded by Dan

Minutes are posted at: http://tdserver1.fnal.gov/dolis/39GHz_minutes.html

3.9GHz Project page is: www-a0.fnal.gov

Meeting Minutes

Cavity status

- Allan reports cavity-6 cooldown expected on Tuesday. Weld of input coupler again leaked. Using Genfa's coupler for this test. HOM coupler not used in this test so Q-ext will not be measured. This will possibly be measured in a future test.
- Mike reports that cavity-7 will be fab'd at JLAB and cavity-8 will be welded by Mike at Sciaky. Both cavities will have single post design of F-probe. Mike has weld dates Wed, Thurs, and Fri this week. He expects cavity-8 to be done by mid-August.
- Brief discussion on naming convention. Lance and Genfa invite others to contribute. Further discussions will take place in a separate meeting.
- Mike reports that B. Kephart asked him if he has enough material to send to JLAB for single cell work. Mike has (3) 12x24in. sheets of the right thickness for 3.9cavities, enough to make (4) single cell cavities. Lance suggested that thicker material available for 1.3cavities could be etched to proper thickness, removing 4mils. Lance, Mike will discuss further.

Helium Vessels

- John Z. reports that pieces for first helium vessel, excluding the bellows, are expected tomorrow. These will be welded at Fermilab. Bellows have a 4-6wk lead time and are expected mid-August.
- Don reports bellows manufacturer will prepare weld coupons before welding bellows and cuffs. Coupons will be inspected at Fermi before manufacturer welds bellows assemblies.

HOM Couplers

- John Z. reports that all HOM couplers from Omley have been rec'd and currently getting QC.

Other Business

- Don reports that Kay Jench is here at Fermi working with Tug on CM-1 assy. Don will call a meeting for Wednesday to discuss DESY interface issues and perhaps cabling & alignment.
- Elvin reports HTS had a safety walk-thru on Thursday. Minor items found and corrected. Warm coupler conditioning starts today. Liquid level probe still needs to be replaced.
- Genfa suggests that some single cell tests could be farmed out to MSU and JLAB. He says T. Grimm and P. Kneisel have verbally agreed that they could possibly help. Elvin says two single tests could be completed at A0 by mid-August, when cavities 7&8 will be ready for test.
- Don points out that nobody is working on single cavity cryomodule design for photoinjector, a long-standing plan of Helen's in place.
- Lance suggested a seminar or regular R&D meetings (perhaps monthly) should be schedule to discuss possible alternative cavity processing methods, e.g. magneto EP brought up by Charlie today. Lance will work on this.