

Monday Morning Meeting Minutes November 16th, 2009

09:00–09:30 Third-Harmonic

Agenda per Helen, Elvin and Mike

09:30–10:30 SRF Operations and Integration

1. Nine-cell cavity coordinator report - Ginsburg

Camille informed members that Accell1 was tested on 11/11 but was field emission limited. Cavity AES2 gets an additional HPR cycle. It will then be moved from ANL to IB1 tomorrow, so that it can be tested this week. Camille then talked about the cavity locations. She mentioned that most of the cavities are stored at MP9.

The first 6 “new” RI cavities are expected to arrive by end of November. Three cavities out of the 6 go to JLab without being bulk EP'd since JLab doesn't accept bulk EP'd cavities.

2. Single-cell cavity coordinator report – Wu (via email)

TE1ACC004 is being shipped to JLAB on Monday. JLAB will put it in the furnace around Friday.

TE1ACC003 pit has been laser remelted. The spot looked "fantastic" in appearance but only RF test can confirm this.

TW1AES001 is partially inspected; the quality is not very good. RGA is installed on the ANL furnace. The vacuum looked OK. NR-1 will be briefly inspected and sent to ANL for furnace.

3. ARRA milestone schedule reminder – Stanek

Rich mentioned that two ARRA milestones have been met now; the JLab money is a PO now and the order for vacuum oven has been placed. The next two upcoming milestones are NML components and order for 1.3GHz klystron. He also mentioned that right now we have an opportunity to adjust the DOE milestone for ARRA procurements.

4. Update on cavity dressing - Arkan

Helium vessel#6 came back from Hi-Tech on Friday. It was QC'd and Chuck is working on it. The plan is to install this vessel on ACC013.

Tug mentioned that the seamless tube vendor is still critical path and alternatives are being looked at.

Timer has been working on straightening cavity ACC008. The cavity has a lot of external dents; it is a really old cavity.

AES1 is back from the HTS. The cavity has coupler attached to it and the plan is to do some tests on it for component assessment with Timer. AES4 is in the HTS.

5. HTS status - Hocker, Harms

AES004 was received last Thursday. The bearings have been done and magnetic shielding installed. Coupler installation will be done over the next few days. The cool down will happen most likely by the end of this week or early next week. The engineering note is ready and is on Giorgio's desk for signature.

7. ANL CPF status – Rowe

Allan mentioned that the plan to swap the corroding high pressure manifolds with low pressure manifolds is in place. However, we do need to consider the dressed cavity schedule before doing the replacement. The replacement is expected to happen during the week of Thanksgiving.

The filters have been changed and the discoloration in the old filters is still visible. The bacterial count at the wand is measured every week and it has been found to be very low.

Members were informed that the 3 bar frame is now obsolete. The EP tool uses 4 bar frame since it causes less interference.

Alan then talked about the 3-D printer that prints things out of plastic. The output is quite interesting but it takes a lot of time.

We now have two crates that have been build in-house and 6 crates manufactured outside are coming in next week. Regarding tooling issues, Allan mentioned that the drawings of V-blocks for different groups have been released today and they hope to be able to place the order by end of next week. We are almost ready for mass flow controller.

8. Open discussion - all

Joe mentioned that AES2 is expected tomorrow and will be in the Dewar by end of the day. Hopefully we will be able to test it on Wednesday. On Monday they will receive the re-rinsed Acc11 and will try to test it ASAP for feedback. There might be some clash with the magnet group for testing cavities. Mark said he would talk to Ruben or Giorgio about this.

The new crane in IB1 will be load tested later this week. Joe also mentioned that the safety posts for VTS 2&3 pits have arrived and are being installed.

Lance informed members that annealed Niobium is less likely to pits. He also said that Wa Chang can provide the seamless beam tubes for hydro forming.

Regarding material to PAVAC for single cell production, Mike mentioned that they are still waiting for seamless tubes order.