

Monday Morning Meeting April 12th, 2010

09:30–10:20 SRF Operations and Integration

1. Announcements- Champion

Mark mentioned that Helmut Dosch will be visiting Fermilab on Apr 14-16. A tour of the SRF facilities will take place on Wednesday from 1:00-3:30 P.M.

Mark Wiseman and Gary Cheng from JLab will be visiting Fermilab from 1:00-4:00 P.M. tomorrow.

2. Status of single-cell 650MHz cavity package - Grimm

Chuck presented slides on the status of 650MHz cavity package. He also mentioned that Mike Foley is working on a mailing list for the 650-325MHz cavity team. The plan is to have weekly meetings at 1:30 on Monday to discuss 650MHz single cells. People interested in joining should let Mike know.

3. Status of 325MHz cavity production- Ristori

Leonardo mentioned that ten cavities are on order from Niowave/Roark. First two cavities are expected by June.

4. Nine-cell cavity coordinator report – Ginsburg

Camille presented slide on the status of the 9-cell cavities.

5. Single-cell cavity coordinator report

Genfa presented slides outlining the single cell cavity activity.

Timer mentioned that the notch frequency of NR cavities is wrong. We need to inform them about this.

Tug mentioned that the cold part of the coupler from ACC13 needs to come out of clean room for inspection.

Members were informed that the Dubna group wants to borrow a single-cell cavity.

6. Tumbling report – Cooper

Charlie mentioned that the single cell tumbling is going on well. The lifting station required for 9-cell tumbling has been ordered and will be installed in 5-6 weeks. Charlie also wanted to have a microprobe on the machine that would detect any noise. The machine has a build in circuit shutdown system but he wanted something that would shut it down faster.

7. HTS status – Harms, Hocker

AES009 is cold. There were some problems with the RF system components last week and they are being repaired. Timer and Andy found that the external Q was a factor of 10 higher than what it should be. The centre connector of input coupler was off centre in the beam tube. It was agreed that we need to proceed with caution.

7. Cavity dressing update -Arkan

Tug mentioned that they are working on ACC008 this week. The cold end of coupler goes on today, followed by some testing by Timer.

AES001 is being prepared next. ACC013 coupler needs to be inspected. AES008 is still at Argonne for HPR and assembly.

8. ANL CPF status - Rowe

RI026 was completed last Friday, was baked over the weekend and is now at VTS for testing. AES003 will undergo HPR and assembly this week, followed by VTS on Wednesday. AES004 will be ready to go to A0 this Friday. RRCAT1 will be baked on Friday.

Oleg mentioned that he has been talking with companies for analyzing the water contamination issue. The filters have been sent to labs for checking and getting suggestions. Test kits to test for bacteria that cause corrosion of stainless steel have been ordered.

Regarding clean room work, it was mentioned that we need tooling for HOM feed through. This will need some design work.

Regarding vacuum system, it was mentioned that the needle valve is in use. The mass flow controller is not appropriate.