Monday Morning Meeting
January 11th, 2010

09:00–09:20 Third-Harmonic

Agenda per Helen, Elvin and Mike

09:20–10:20 SRF Operations and Integration

1. Nine-cell cavity coordinator report – Ginsburg

(from Camille's email)

Camille mentioned that TB9ACC013 is being prepared for HTS: currently it's at MP9, with arrival at HTS planned for late in the week of Jan. 11.

Four cavities are at MP9 for dressing for CM2 according to the MP9 schedule: TB9AES008, ACCEL8, TB9AES009, TB9AES010. The remaining three cavities needed for CM2: TB9ACC016, TB9AES007, TB9RI026 are in process: TB9ACC016 was re-tested with thermometry at JLab with 31 MV/m, quench limitation. It will undergo optical inspection and possibly another light EP at JLab. TB9AES007 was scheduled for bulk-EP at JLab next week; however, the internal 10 um BCP is delayed due to lack of acid. This problem is being emphatically addressed. TB9RI026 is in the last stage of inspection and will go either to JLab or ANL for bulk-EP ~Jan.13, depending on the optimum availability of the facilities.

TB9RI018, TB9RI019, TB9RI020, TB9RI027, TB9RI028 incoming inspection will proceed full speed. The next one is expected to start its processing ~Jan.19. Most of these are expected to go to JLab for process/test. TB9RI021, TB9RI022, TB9RI023, TB9RI024, TB9RI025, TB9RI029 arrived. All of these are expected to go to ANL for light-EP after incoming inspection and 800C heat treatment at JLab. The incoming inspection is expected to be alternated between the EP'd and not EP'd cavities.

ACCEL6 R&D path will be discussed on Wednesday. ACCEL7 was tested with thermometry and a clear quench site located. Optical inspection revealed no defect in the quench region and a very beautiful interior.

AES002 (dressed) was vertically tested with HOMs blanked off and had no change to the performance (19 MV/m, quench). Mode measurements were performed and the data are being analyzed.

AES003 (spot polished at KEK) completed HPR at ANL and will be returned to IB1 Mon.Jan.11, for test next week. TB9ACC010 (vertically EP'd) was tested at Cornell and had a cold leak. Additional testing is planned/underway. TB9ACC017 (~fully processed at ANL) defect in cell 4 will be molded and the replica analyzed, pending some mechanical fabrication.

2. Single-cell cavity coordinator report – Wu

TE1ACC004 was tested, it reached 40Mv/m. TE1ACC003 is A0 in queue to be tested. AES4 will be tested first at A0.

Two single cells made in India will be shipped this week. Pavac will provide a few more single cells.

3. Open discussion - all

Regarding Charlie's 9-cell tumbling machine, he informed members that the design for the lifting cable and table have gone to procurement but it will take some time, maybe 10-12 weeks.

Bob wanted to know which cavity can be used to demonstrate vertical EP. He was informed that AES2 could be a possible candidate.

Allan mentioned that we need more cavities. He said that we have single cells but not the 9-cells. He informed members about the contamination problem with the water system. The filter is being reanalyzed. Kenji also had a similar problem and Allan would try to contact him on this. The mass flow controller doesn't work well. A new one controller that works well in differential pressure is being ordered.

10:20–11:20 SRF Special Topics

Ruben talked about the cavity tuning machine project update.