

## Summary of 36th Meeting for S1-Global Module Design, Cryomodule and Cryogenics (20100511)

Date: 2010/05/11

Time: 22:00-22:30 (Japan Time)

Attendant: Jim Kerby, Tug Arkan, Tom Peterson, Serena Barbanotti, Carlo Pagani, Angelo Bosotti, Eiji Kako, Toshihiro Matsumoto, Hirotaka Nakai, Hitoshi Hayano, Tetsuo Shidara, Nobu Toge, Yasuchika Yamamoto, Norihito Ohuchi

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### Agenda

1. Cryomodule assembly status (Norihito Ohuchi/Eiji Kako)
2. Test schedule in the 1<sup>st</sup> term (Eiji Kako)
3. Sensor list update (Norihito Ohuchi)

### Discussion

#### (1) Cryomodule assembly status (Norihito Ohuchi/Eiji Kako)

- S1-G Module assembly status.

April 21 to April 30

1. Wrapping the SI around the 80K thermal shields.
2. Inserting the cold mass into the vacuum vessel.
3. Assembling support posts and structures.
4. Moving the Module-A into the STF tunnel.

May 6 to May 11

1. Welding cooling pipes between Module-A and Module-C.
2. Assembling the thermal shields.
3. Connecting signal wires to the feed-throughs.

Works from now

Leak tests of cooling pipes/Assembling the thermal shields and SI/  
Assembling KEK input couplers/Closing cryostats, pumping vacuum vessel  
and the final leak test of the S1-G cryomodule.

- Cavity beam pipe assembly was completed in the local clean room.

In the next step, the assembly of warm input couplers for KEK cavities will start.

#### (2) Test schedule in the 1<sup>st</sup> term (Eiji Kako)

- Low RF power test

June 21 to July 9: Low RF power test

July 5 to 9: INFN (Carlo, Angelo, Rocco) and FNAL (Yuriy) will be expected to join the low RF test.

C: Carlo, Angelo and Rocco will join the test in the week.

C: Eiji Kako will make the hotel reservation, and then please let him the flight schedule.

C: Yuriy is now making the flight schedule and documentation of FNAL to join it.

July 12 to 16: Heat load measurement at 2K and calibration measurements.

July 20 to 23: Spare date for the low RF power test.

August 23 to September 4: Coupler aging.

September 21: High power test will start.

C: For this test, FNAL is now discussing who can participate in it.

#### (3) Sensor list update (Norihito Ohuchi)

- The sensor list on the cryomodules is updated.

The data are summarized in the Excel file, and the logging data are specified by Tag Number in the table.

### Next meeting date

Meeting Date: 18 May 2010 22:00 (Japan time), 8:00 (FNAL), 15:00 (INFN and DESY)