

34th Summary of Meeting for S1-Global module design, Cryomodule and Cryogenics (20100406)

Date: 2010/04/06

Time: 22:00-23:00 (Japan Time)

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

All presentations are unloaded in the INDICO site:

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Agenda

1. S1-G experimental schedule (Eiji Kako)
2. S1-G cavity assembly status (Eiji Kako)
3. S1-G cryomodule-A assembly status (Norihito Ohuchi)

Discussion

(1) S1-G experimental schedule (Eiji Kako)

- The 1st cool-down of the cryomodule begins at June 7, and the cold tests continue till June 23.
- The 2nd cool-down of the cryomodule is scheduled at September 6.
- The major items of the 1st test term are:
 - June 7 to 18: cool-down and heat load measurement at 4K
 - June 21 to July 9: low-power RF test
 - July 12 to July 16: heat loss measurement at 2K
 - July 20 to July 23: low-power RF test
- August 23 to September 4: coupler aging of 8 cavities
- The major items of the 2nd test term are:
 - September 6 to September 17: cool-down and heat load measurement at 4K
 - September 21 to October 1: high gradient measurements of 8 cavities
 - October 4 to October 15: Lorentz detuning of 8 cavities
 - October 18 to November 5: dynamic heat load measurement
 - November 8 to November 19: LLRF
 - November 22 to November 26: dynamic heat load measurement
 - November 29 to December 3: heat loss measurement at 2K
 - December 6 to December 22: DRFS

* This schedule is modified after this meeting. This schedule will be discussed in the next meeting.

(2) S1-G cavity assembly status (Eiji Kako)

- April 1, the KEK cavity-string was moved under the gas return pipe.
- April 2, the cavity-string was attached to the gas return pipe with the C-cramps.
- April 6, the assembly of the beam pipe for the Cryomodule-C was completed.

(3) S1-G cryomodule-A assembly status (Norihito Ohuchi)

- The S1-G cryomodule-A assembly started at March 29.
- Up to April 6, the KEK cavity-string has been attached to the gas return pipe, and assembly of the helium supply pipe was completed including welding bellows.
 - Assembly of S1-G module-A is now on schedule. The cryomodule-A assembly is scheduled in April, and the connection work between the cryomodule-A and -C is scheduled in May.

Next meeting date

Meeting Date: 20 April 2010 21:30 (Japan time), 7:30 (FNAL), 14:30 (INFN and DESY)