



Date : 2015-10-07

MEETING MINUTES – IN WORK (V0.0)

Subject: SRF R&D Coordination meeting #02

Date and Time: 2015-10-14, from 10:00 to 12:00 (~ 2.0 h)

Place: 30-6-019

Participants:

Present: [Sarah Aull](#), [Francesco Bertinelli](#), [Olivier Brunner](#), [Karl-Martin Schirm](#), [Igor Syrathev](#), [Giovanna Vandoni](#), [Walter Venturini Delsolaro](#), [Frank Gerigk](#) [Sergio Calatroni](#), [Katsiaryna Ilyina](#)

Excused: [Michael Benedikt](#), [Rama Calaga](#), [Erk Jensen](#), [Paolo Chiggiato](#)

WBS: 1.6.3

File Location/Link:

Indico link:

Link to previous minutes: Not applicable

Agenda

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1. Minutes approval, follow-up from last meeting

O. Brunner opened the 2nd RF R&D Coordination Meeting (STP-02) at 10:00.

The minutes of the first meeting were approved. F. Bertinelli highlighted the point that due to limited resources, good understanding and agreement between WP leaders and group leaders is crucial.

Action list pending from meeting 1:

- CERN-LNL-STFC collaboration: the exact contribution of each CERN participant is in the process of being clarified. More news in December: Action: Paolo/Sergio
- WP 3: Discussion on manpower and budget are underway with the concerned group and department leaders. An updated version of WP3 will be published Action: Walter
- Progresses were made in detailing the structure and scope of WP4 and Wp5. An updated version of both WP will be published. Action: Karl
- The organisation of the WP must be revisited and a WP leader must be nominated (Action: Erk

2. Report from coordinator

No report.

3. Progress reports

3.1 CERN LNL STFC

The Collaboration Agreement is signed. The official starting day is the 1st of November.

3.2 Cavity design

The starting point for the study is a FCC_ee 2 cell cavity. First results shall be presented in Rome.

3.3 Cavity Material and performance

Good progress on WP description. Budget and manpower for each tasks are being detailed.

Katsiaryna Ilyina has recently started a fellowship in TE/VSC. She is working on Nb3Sn thin film developments

3.4 Cavity fabrication

TE/MME: The fellow has recently started to work with Gilles Favre.

Karl mentioned that the discussions with JLab are progressing well and the collaboration agreement should be signed soon.

Contact is established with Bruker institute on a possible collaboration

3.5 Cryomodule challenges

No report

3.6 LLRF

No report

3.7 High efficiency power sources

The EIKA program is progressing well.

CLIC workshop 2016: a full day will be dedicated to the subject (also at PSI in March)

Very interesting developments of IOT in Russia (high gain, high efficiency tube at 400MHz)

4. Report from fellow activities

5. Specific reports

5.1 SRF R&D Activities at CERN – update from Karl

Karl presented the (preliminary) list of SRF (FCC and non-FCC) work packages (see below).

WP	Context	Listing of WP for SRF (FCC and others)	Link
No	FCC	Title	WP leader
1	YES	Collaboration agreement “KE2722/BE/fcc”	P. Chiggiato
2	YES	Cavity design	R. Calaga
3	YES	Cavity material and performance	W. Venturini
4	YES	Cavity fabrication	K. Schirm
5	YES	Cryomodule challenges	K. Schirm
6	No	LHC SRF module consolidation	M. Karppinen
7	No	HL-LHC: Cavity and module production and testing	A. Macpherson
8	No	HL-LHC: CRAB module SPS installation coordination	G. Vandoni
9	No	SRF infrastructure availability and state-of-the-art	A. Macpherson
10	No	SRF general diagnostics development	N. Schweg
11	No	HIE-ISOLDE SRF production	M. Therasse
12	No	HIE-ISOLDE SRF operation	W. Venturini
13	No	LHC SRF operation	P. Maesen
14	No	SRF new concepts	E. Jensen



6. Tour de table

7. AOB

The next SRF meeting takes place on December 9th.