

FP7 SRF-AS Working Group

Tuesday 19 December 2006

**LAL-Orsay, building 200, room 032
11h-16h**

(video-conference with CERN, PSI, INFN, ...)

0) Approval, additions to, or amendments of the Agenda

1) Report from the ESGARD meeting (5 December 2006)

2) Short status of the CNI Project

3) Status Reports on the following topics

- To mitigate the predicted small budget allocated to the next IA call, I propose to build a short but "high peak power" 3-year proposal and plan of work. This could eventually be followed by a bid to a later IA call.
- It is clear that investments in LLRF will be useful for future SC accelerators. LLRF developments are directly proposed in the DESY, UK and indirectly in the Fast Tuner programs of CEA, LASA and UK. Investigate the possible synergies between these programs, propose priorities associated with cost, and identify the interested laboratories.
- The proposed "Thin film deposition" activities need to be merged in a more coherent and visible Work Package. Contact the spokesmen of the various proposals and try to combine them in a single Work Package (or JRA).
- Concerning our activity in support of the ILC, we expect that the ILC-GDE will distribute the urgent R&D tasks into well defined Work Packages and will call for contributors responsible for these Work Packages. I believe that our SRFAS collaboration should, as part of the EU contribution, take over a few of these tasks in a relatively timely fashion since 2009-2011 seems not to late for ILC finalized R&D. Investigate this issue and try to identify the future Work Packages activities which could fit our IA collaborative effort.
- Concerning the LoI for a JRA 'SCRF infrastructure at CERN', I have four interrogations:
 - What is the (rough) agenda of the utilization of such an infrastructure for the proton cavity developments aimed at the SPL?
 - Will this JRA allow carrying research for the other SRFAS activities? In fact, from the structure and the interplay between the current CARE JRA's, I am not convinced that it is mandatory feature. But it is still an interesting question: a YES would indeed be advantageous but, to me, it is not the obvious answer in the present stage.
 - What are the role and the benefit in investment of the so-called 'satellite' laboratories whose existing SCRF platforms would form a network around the central infrastructure at CERN. In a meeting at DESY yesterday, Jean-Pierre Delahaye gave us his vision of the origin of the funding money: 1/3 from EU, 1/3 from CERN, 1/3 from collaborators. I am more concerned about the destination of the funds. Which fraction will end up at CERN, and which fraction will end up in the satellite laboratories?
 - Which fraction of the total 9.6 M€ cost covers the operation costs (in addition to the investment cost), and what is the nature of these operations?

- Complete the missing costs for the French and Italian items. My feeling is that we are still in the early stage of the preparation and that only rough cost estimates need to be known at present.

4) Update on Thin Films from Marek Sadowski

5) Update from DESY from Dieter Proch

6) Discussion on the Working Group strategy, including first thoughts about the JRA, TNA and NA structures.