

**DRAFT Minutes -- Second Meeting of the
European Muon Coordination and Oversight Group
CERN, Tuesday 15 October p.m.**

Present: K. Long (PPARC); R. Edgecock (RAL), M. Napolitano (INFN Napoli), Andrea Pisent (INFN Legnaro), P. Debu (CEA-DAPNIA), F. Pierre (CEA-DAPNIA), A. Blondel (Geneva), H. Haseroth (CERN), C. Wyss (CERN)

invited: R. Aleksan (CEA-DAPNIA)

Excused: A. Wrulich (PSI), M. Lieuvain (IN2P3), S. Katsanevas (IN2P3), Hofmann(GSI),Boine-Frankenheim (GSI)

AGENDA :

1. Approval of the agenda
2. Approval of the minutes of the 1st EMCOG meeting held on 18 April 2002
3. Report about NuFact'02 (A. Blondel)
4. Report from the European Neutrino Working Group (H. Haseroth)
5. Possible studies of a high-power target at PSI (speaker to be confirmed)
6. Possible horn studies at CEA/IN2P3 (speaker to be confirmed)
7. Progress with FP6 proposals (C. Wyss)
8. Agenda and date for the next meeting
9. A.O.B.

1. The agenda was approved. Points 5 and 6 will be briefly discussed only. Due to short notice, the speakers could not attend. R. Aleksan was invited to describe in more detail the organization of the I3 proposal for FP6. A.o.b. will include a proposal to organize a workshop on beta-beams.

2. The minutes of the previous meeting were approved.

3. A. Blondel reported on a selection of the main points in accelerator and particle physics from the NUFACT02 workshop (see transparencies at <http://proj-bdl-nice.web.cern.ch/proj-bdl-nice/emcog/emcog15-10-2002/>) which took place at Imperial College in London (July 1-6 2002)

The main conclusions were:

NuFact'02 was very enjoyable and well organized, good attendance (163 registered), lots of new ideas. An upfront discussion on the relative virtues of Neutrino Factories and off axis proposals led to the conclusion that the NF remains the ultimate LB

neutrino oscillation facility. The very important R&D on neutrino factory should continue. An oscillation program before NF is necessary, but care should be taken that it is really complementary. NuFact'03 will be organized at Columbia University (NY USA) 5-11 June 2003.

4. Helmut Haseroth reported on the European Neutrino Factory Working Group (see transparencies at <http://proj-bdl-nice.web.cern.ch/proj-bdl-nice/emcog/emcog15-10-2002/>)

Proposal is to operate the working group in a more European-wide way.

Meetings will be announced well in advance and coordinated with the muon week. By default they will take place on

11 December 2002

26 March 2003

[NUFACT03 5-11 June.]

9 July 2003

19 November 2003

The ENFWG suggested that EMCOG meetings should be part of the muon week. This was agreed: the Wednesday afternoon will be EMCOG meeting by default. The next one will be on December 11.

Starting in 2004 meetings should take place at least once a year outside CERN (A. Pisent agreed to begin discussions for organizing a muon week in 2004 in Legnaro)

The present conveners for the topical working groups are mostly from CERL (Proton driver, target and horn, cooling acceleration and storage ring). It is urgent now to identify labs to provide WG conveners and to take the lead on particular parts of the study. (a proposal will be issued by H. Haseroth as soon as possible)

Point was raised of the relations with America and Japan. A global coordination seems to be taking place at the grassroots level, previous attempts at a high level have so far not converged. Agreement was to invite a member of the American MCO for one of our next meetings (In March for instance). A general co-ordination meeting between the regional coordination groups was suggested (PCOG) every year (Blondel suggested the vicinity of the NUFAC0x meeting as a natural timing—but this was not decided)

5. Possible studies of a high-power target at PSI. Due to short notice nobody from PSI could attend. Nevertheless strong interest has been voiced by PSI in collaboration on this matter, which will be pursued.

6. Nobody from IN2P3 could make it, but Orsay will be discussing internally the possibility to study the horns for low energy super beams in particular.

7. FP6 proposals: C. Wyss introduced the subject by stating the history of the project:

Following an initiative by M. Spiro with support from ECFA, an Initiative for Integrated Infrastructure (I3) proposal will be submitted to EU, with the goal of promoting accelerator R&D in Europe. A kick off meeting involving representatives of the large European labs took place on 8 October (occasion: ICFA seminar)

Roy Aleksan had made a special trip to describe the present plans. He will be assembling and editing the proposal, which will have to go out sometime in APRIL next year.

(see transparencies at

<http://proj-bdl-nice.web.cern.ch/proj-bdl-nice/emcog/emcog15-10-2002/>)

The subjects of studies should be:

High RF gradients for electron machine (possibly: FEL)

High intensity machines

Muon cooling

High magnetic fields

(Possibly: novel accelerating techniques)

There will be representative from the following labs RAL CERN DAPNIA DES Frascati Orsay PSI in the ESGARD (European steering group for accelerator R&D). H. Haseroth will represent CERN.

It was pointed out that nuclear physics labs are very well organized, so we have to catch up!!!

Distinguish

Transnational Access to Research Infrastructures TARI

Integrated Infrastructure Initiative

Feasibility studies

For I3, the calls will take place in December, with deadlines for Bids March and April; the contracts start end 03 and last 4 to 5 years and include TARI. There will be yearly calls for bids for feasibility design studies.

The program expects to fund about 20 projects (10-20 M€ each). Horizontal synergies should be emphasized. It is important to find a lead lab for the various topics. This may or may not be the same issues as for the theoretical studies with the ENFWG.

Driver source & Rings (Legnaro, CEA, IN2P3, CERN, RAL) Roland Garoby will sort it out and put together a work plan for FP6.

Target (PSI etc...) PSI?

Horn (CERN,CNRS,PSI) Orsay?

(Helge Ravn has been coordinating these studies so far in the NFWG.)

Cooling (MICE and etc...RAL?)

It was stressed that the neutrino factory studies need to have one person following the FP6 proposals very closely. Ken L. agreed to be the NuFact contact (and drive for the Neutrino Factory part of the EU proposal.

8. Next meeting of EMCOG

Muon week in December, Wednesday 11 December afternoon.

Agenda of next meeting:

Proposal for FP6, section by section.

9. A.o.b A. Blondel raised the point of a workshop on the beta-beams following request by Michel Spiro. This raised interest in particular for Legnaro, Andre Pisent being interested in the organization. EMCOG supports the workshop, which could well be a launching event for a feasibility study proposal for FP6, if it were done in the coming winter.

minutes written by Alain Blondel.