

Minutes of the MICE Collaboration Board held on 9th October 2007 at RAL

Present

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| CB Chair – K Long | INFN Trieste – G. Giannini |
| Spokesman – A. Blondel | Glasgow – P. Soler |
| Deputy – M. Zisman | LBNL – D. Li |
| Brunel – P. Kyberd | Liverpool – R. Gamet |
| DPNC, Geneva – J-S. Graulich | New Hampshire – U. Bravar |
| FNAL – A. Bross | Oxford – J. Cobb |
| Illinois Inst. Tech. – D. Kaplan | RAL – A. Nichols, T. Bradshaw |
| Imperial College London – P. Dornan | Riverside – G. Hanson |
| INFN Milano – M. Bonesini | Sheffield – C. Booth |
| INFN Napoli – V. Palladino | |
| INFN Roma III – L. Tortora | |

1) Approval of Minutes of 15th June 2007

The minutes of the previous meeting were approved.

2) Address and Discussion with Andrew Taylor, representative of STFC Directorate

We were presented with a positive view of MICE progress and integration into RAL. An increased involvement of technical staff was pledged, and everything would be done to ensure a MICE start-up in January. In response to questions, we were told that STFC regarded MICE as a significant project, and that Council was highly supportive. It was recognised that there were implications beyond the measurements we would take over the next few years, for the future of a Neutrino Factory. As far as ISIS is concerned, we have equal status with neutron beam users, with a vote but not a veto. In response to the statement that we would welcome increased involvement of accelerator or beam-line physicists which could be of mutual benefit, we were told that unfortunately there was no “spare pool of physicists”, and that UK support was via accelerator institutes or Universities, rather than through ISIS or even RAL.

3) Proposal for New Hampshire to join MICE (Ulysse Bravar)

U. Bravar explained that he had never really left MICE – he’d just changed Universities several times! He was partially funded through a joint UCR-UNH grant for 3 years from April ’07 and planned to resume work on the cooling channel optics. If future funding permits, he would also be involved in commissioning and cooling measurements. He has some support for a student, and will be looking into other funding possibilities.

The application for the University of New Hampshire to join MICE was **approved** unanimously.

4) Technical Coordination of MICE (Alain Blondel)

The previously circulated proposal was recommended to the board. The Technical Coordinator/Project Manager is responsible for coordinating all technical and financial activities including construction, installation, scheduling and safety aspects of the experiment. It was proposed this role should be taken on jointly by Richard Apsimon and Andy Nichols. This was **approved** by the board. We were reminded that W. Spensley (of ALSTEC) was Hall Manager and A. Jamdagni (of Imperial) together with someone from PPD, to be appointed, were Hall Foremen, responsible for day-to-day organisation of installation. Malcolm Ellis was appointed

Integration Physicist, and Chris Rogers is ISIS Liaison Officer. Ken Long was thanked for his tireless work as Technical Coordinator over the last few months.

5) Spokesman's Remarks (Alain Blondel)

Maurizio Bonesini has taken over from Ken Long as chair of the Speakers' Bureau, while Dan Kaplan chairs the Editorial Board. New series of MICE Notes will be established for talks and conference contributions. Talks should be rehearsed or posted at least 15 days in advance, and written versions submitted to the Editorial Board. All those who have a chance to give seminars should do so, and inform the Speakers Bureau. Information presented outside MICE should have been endorsed by the Collaboration.

Access to MICE by collaborators from abroad was discussed. Support for EU partners may be possible through Transnational Access arrangements, being included in the next CARE proposal. For other countries, bilateral collaboration agreements should be sought. Support has also been requested through RAL PPD.

The funding situation was summarised. The **UK** Phase II bid was submitted in July 2006, and received positive peer review. However, the merger of CCLRC and PPARC to form STFC led to delays, and funding was only granted for 2007, pending a general review next year. The funding situation in the **US** is positive, with \$630K of new money granted by DoE for RFCC modules, \$800K + \$50-75K per year from Fermilab, \$399K NSF money awarded to G. Hanson for postdoc plus links with U. Bravar at UNH (plus an equal amount of UC Riverside start-up funds) and \$798K awarded through the NSF MRI for CC+RF. The situation in **Japan** is less positive, and bids have been resubmitted for renewed funding. Coupling coils will be built in **China**, with superconductor and other parts supplied by the US. **Switzerland** has continued contributing to DAQ, trigger and ToF0 and will begin to contribute to SW calorimeter. **CERN** is providing the 4MW RF. The **Netherlands** contribution is the magnetic probes. In **Italy**, there are still some issues with allocating the funds transferred from RAL early in the year. MICE is now an INFN "New techniques of Acceleration" project, and a limited budget and travel funds have been requested. Overall, the funding has improved to the point where we can be reasonably confident of having resources for completion of MICE hardware by end 2009. However, everywhere manpower is limited. We now need to begin the collection of the common fund and discussion of support for collaborators at RAL.

A proposal for running MICE was presented. A run coordinator or MICE operations manager (MOM) will take responsibility for one month periods. This requires people to be at RAL. Alain will be on duty from 15th November to 17th December (for cosmic tests), and Mike Zisman from 15th January to 15th February. The rest of the rota must be established soon. Representatives will be required at RAL during running for all subsystems, and documentation will be essential. The requirement for shifters is still to be determined.

6) Project Manager's Report (Ken Long)

The WBS is being revised, with named people responsible for levels 2, 3 and 4. The contents are under review by the Technical Board (TB), and will be re-presented to the Collaboration Board. New web pages have been established for the TB. The membership of the TB was summarised (as described by A. Blondel above), and this week's agenda presented. Resource issues were raised – we need a Slow Controls organiser and online computer system manager. More technical effort was requested from the collaboration, particularly for work in the hall. (This is a good opportunity to learn the systems at RAL.)

A letter is ready to go out concerning Common Fund contributions, after approval by the Executive Board. In discussion, it was recognised that in-kind contributions are also possible.

4) Future Collaboration Meetings (Ken Long)

The next meeting will be at RAL during the week of 20th February 2008 (exact date to be confirmed). The following meetings will be in June '08 probably at Cockcroft/DL, October '08 at Harbin and February '09, probably in the US.

CNB 18th October 2007