

Notes from the meeting with Jos Engelen, CERN deputy director general for science, 4 Nov 2004.

Present were Harold Kirk, BNL; Kirk McDonald, Princeton; Adrian Fabich, CERN; Helmut Haseroth, CERN; and at the conclusion, Jacques Lettry, CERN.

Jos Engelen was most interested in three things: the scientific case for our proposed experiment; the safety impact of our experiment and then (most importantly in my interpretation) the financial structure of the experiment.

He has received several letters of support confirming the scientific importance of our experiment. Letters were sent from the collaboration; from Alain Blondel representing the European neutrino community, from Carlo Wyss representing the EMCOG panel, from Victorio Palladino as the convener of BENE, the Beams in Europe for Neutrino Experiments study group; and Pierre Schmeltzbach from the accelerator division of PSI representing the interest of the European accelerator community. Engelen stated he was satisfied that the scientific case has been adequately made.

Concerning safety, Adrian Fabich described the negotiations which have subsequently been made with various members of the CERN safety community. He had in hand a packet of memos describing the outcome of the many meetings, which in sum state that the experiment can proceed if various stated conditions are adhered to. Engelen was satisfied with our responses.

On the final point, I stated our budget projections for the remaining costs which the experiment will incur and described the commitment for the US Muon Collaboration to support our effort at the level of \$1.9M for the next 3 fiscal years. Engelen made it clear that his expectation is that the sole cost to CERN for running this experiment is the cost to CERN for providing the beam. All other costs related to developing the infrastructure needed to support the experiment will have to be born by the collaboration. Again he seemed to be satisfied with our response on this issue.

Finally, Engelen stated that in his view this experiment should proceed and that he feels that the Research Board (of which he is a member) will give final approval at its next meeting on December 2, 2004.

At the conclusion of the meeting, the question was raised as to when PS operations will resume after the scheduled 2005 shutdown. He was unable to answer this question but did note the problems that CERN has incurred regarding the installation of the cryogenics in the LHC tunnel. It was interesting that he referred to potential help from outside institutions (including BNL and DESY) toward solving this problem. He did note that CERN has a stated commitment to run the CNGS experiment in 2006 and that test beams are needed, especially for the CMS experiment and that they are needed in 2006.