



Department of Energy
Office of Science
Washington, DC 20585

October 2, 2009

Dr. Pier Oddone
Fermi National Accelerator Laboratory
P.O. Box 500
Batavia, Illinois 60510

Dear Dr. Oddone:

Our Office believes that it is timely to mount a concerted national R&D program that addresses the technical challenges and feasibility issues relevant to the capabilities needed for future Neutrino Factory and multi-TeV Muon Collider facilities. This is consistent with the guidance we obtained from the Accelerator Science Review in December, 2008 and with the envisioned overall national strategy as articulated in the P5 Report in 2008.

The "Muon Accelerator R&D Program: A Proposal for the Next 5 Years" that was presented at the Accelerator Science Review and was submitted to our Office on December 12, 2008, was prepared jointly by the Neutrino Factory and Muon Collider Collaboration (NFMCC) and the Muon Collider Task Force (MCTF) on behalf of three "sponsoring" DOE laboratories—Brookhaven National Laboratory, Fermi National Accelerator Laboratory and Lawrence Berkeley National Laboratory. This involved:

A. Bross (NFMCC Co-spokesperson)
H. Kirk (NFMCC Co-spokesperson)
M. Zisman (NFMCC Project Manager)

S. Geer (MCTF Co-leader)
V. Shiltsev (MCTF Co-leader)

S. Vigdor (BNL, Chair MCOG)
S. Holmes (FNAL, MCOG)
J. Siegrist (LBNL, MCOG)

To proceed as a national R&D program, there needs to be a responsible and accountable program director and host laboratory that will present, defend and manage an integrated national R&D plan.

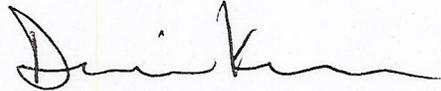
We believe that Fermilab is the natural host laboratory for this initiative because of its potential as the site of these possible facilities. So, I would like you to work with the other HEP laboratories and NFMCC and MCTF to determine what an appropriate management structure might be and who the proposed program director should be. I envision a structure and governing policy similar to LARP, but other models should be considered and proposed if believed to be more appropriate and effective. The new collaboration management should revisit the proposal previously submitted and modify it



as it deems necessary. A revised proposal, incorporating the new management plan and detailed schedule and deliverables for the next 5 years, should be submitted to OHEP for review by the collaboration when it is ready.

Please let me know what the proposed management structure will be and when OHEP might expect a revised R&D plan proposal. OHEP would like to review this plan before the end of calendar year 2009, if possible.

Sincerely,



Dennis Kovar
Associate Director of Science
for High Energy Physics

cc: S. Vigdor, BNL
S. Holmes, FNAL
J. Siegrist, LBL
A. Bross (FNAL, NFMCC Co-spokesperson)
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