



Department of Energy

Washington, DC 20585

MAY 11 2016

MEMORANDUM FOR STEVE MEADOR, DIRECTOR
OFFICE OF PROJECT ASSESSMENT

FROM: MICHAEL PROCARIO
DIRECTOR, FACILITIES DIVISION
OFFICE OF HIGH ENERGY PHYSICS

SUBJECT: REQUEST TO CONDUCT A STATUS REVIEW OF THE SUPER
CDMS-SNOLAB PROJECT

I am writing to request that you conduct an Independent Project Review for the "SuperCDMS-Snolab" MIE on July 19-20, 2016 at Fermilab. The purpose of the review is to evaluate the progress made by the project since the previous CD1 review and to evaluate the status of the project in preparation for Critical Decision 2, expected in the first half of 2017. This project is performed in partnership with the National Science Foundation (NSF).

As part of assessing the project's progress and status of the remaining activities, your committee should focus on the following questions:

1. **Design Maturity:** Is the project on track to complete a preliminary design that will deliver the proposed technical scope within the cost envelope established at CD-1? Is the current design maturity and the project on track for CD-2 in the first half of FY 2017? Are there any outstanding R&D issues that need to be addressed before freezing a cost and schedule baseline in preparation for CD-2?
2. **Cost, Schedule & Risk**
 - a. **Estimates:** Is the quality of the current cost, schedule and staffing estimates appropriate at this stage of the project?
 - b. **Tailoring Strategy:** Is the status of the project tailoring strategy appropriate at this stage of the project? Is the project considering any long lead procurements and in such case, is the project developing an appropriate procurement plan?
 - c. **Risk and Contingency:** what is the status of the risk analysis and risk registry? Is the contingency at a level commensurate with the current state of project development?
3. **Management:** is the management structure appropriate to deliver the scope of the project? Are management roles well defined and conducive to a smooth execution of the project?
 - a. **DOE-NSF coordination:** Is the management structure appropriate and are the resources adequate for DOE and NSF awardees? Is the communication between the two agencies and the understanding of interfaces between the two different scopes working well?
 - b. **DOE Multi-Lab partnership:** Do the technical and managerial tasks between SLAC and Fermilab appear to be working well? Is there adequate support from SLAC, the partner laboratories and institutions in all necessary areas (e.g., safety, procurement, human resources, facility support)? Is there any area of concern in terms of resources and/or communication?



4. **Previous Reviews Recommendations:** what is the status of addressing the post-CD1 recommendations from the CD-1 IPR ?

As Program Manager for the SuperCDMS-Snolab Project, Dr. Simona Rolli will serve as the Office of High Energy Physics contact person for this review.

We appreciate your assistance in this matter. As you know, these reviews play an important role in our program. I look forward to receiving your Committee's report.

Sincerely,



Michael Procario,
Director, Facilities Division
for High Energy Physics

cc: James Whitmore, NSF
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