Update on decisions from December Steering Group meeting
April 20th 2015

1. Drop the goal to publish a paper on the common project model, goals, methods and infrastructure. Revisit in 6 months.
The goal remains to publicize LarSoft as a unique collaborative effort. Fermilab Today (Leah Hesla, intern) is writing an article to this effect (will be interviewing several people over the next 2 weeks). We will ask the Steering Group to review and input once a first draft is available. Panagiotis has been given the existing outline of the NIM/Jinst paper for review and guidance.

2. Reprioritize Gianluca and Erica efforts, when Eric leaves, to code and deliver sufficient physics module tests run as part of the automated continuous integration system.
Eric left for PNNL March 1st. He wrote the requirements for CI V2 before he left. Erica has picked up the effort with Andrew Norman's group (Data Management Applications) to deliver CI V2 by 5/1.

Once V2 is release we will revisit how the project can provide and monitor output from physics module tests as new code is developed. A new physics developer, Vito Di Benedetto, (in Offline Production Operations Group) is currently ramping with a goal to do this so we do not have to destaff the architecture work.

3. Reprioritize Gianluca's work on performance (memory and cycles) and investigation of using threading in favor of taking on the Coordination/Librarian role from the experiments.
The top priority for the architecture work at the moment, "Interoperability", is aimed to help make integration of new code from one experiment have fewer issues being usable by another. This will ease the role of coordination/librarians of the modules. De-facto Gianluca is working in this area with each of the module Librarians, hopefully a more efficient model that just "taking on.."

The experiment developers present new modules and code for discussion and feedback at the biweekly coordination meeting. Erica and Gianluca help ensure these are integratable and integrated into the core as needed.

3. Maintain the priority of the architecture work since this is setting a foundation for return on investment in the future
The rearchitected Data Products were delivered in time for the MicroBoone MCC 6. The focus now is on providing a well defined interface for interoperability between the experiments and LarSoft and "lite" other frameworks. Recently SCD added effort (0.5 FTE shared with preparation for the upcoming art/larsoft summer training school) to this development.

4. Accepted that delivery of code bug fixes and feature enhancements will be impacted by the increase in priorities for the core project
To date, our response to bug and support tickets has, as far as we can tell, been adequate from the perspective of the ticket callers. Some issue tickets have been open for a long time, but those are either projects expected to take longer times, or problems that are of sufficiently small impact that they have been reasonably assigned a low priority.

An example of the latter is the "FindManyP problem", which has a CPU-intensive function inside a loop that can be removed (with further tests). At present, our understanding is that the outstanding cases (do not result in excessive CPU consumption and so) are not a high priority to need to fix.

5. An additional 0.5 FTE of scientific effort to the core team would reduce the risk of some significant common code or algorithm argument/stress between the experiments.
SCD has been ramping up the effort committed to the core LarSoft project over the past few months. Panagiotis is currently discussing additional specific scientific effort that can come onboard in the next few months. We continue to rely heavily on prioritizing with the experiments in order to smooth the required effort.