

Goals of the Meeting

Maxim Potekhin
BNL

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The status of our plans

Caveat: the Physics Tools part will be covered by Tom, what's presented here is written from the perspective of the core S&C, i.e. the infrastructure and service organization. First, some history.

- There is now a basic set of planning documents:
 - The “Software and Computing and Physics Tools Plan” – the most extensive one
 - The “Executive Summary” – intended for a quick read, a few pages long and covering specifically core S&C
 - Slides prepared for the DOE visit back in September 2013, with even more emphasis put on the immediately important action items
- These documents have been vetted by both the management and the LBNE community and there is a consensus that they can be used as a basis for planning the actual work we must do in the next few months.
- We will need to demonstrate, in the May'14 DOE review, that we are capable of meeting the goals set and agreed upon
- Successful completion of this phase will also enhance the capabilities of the Physics Tools group, which is the primary motivating factor for doing this work in the first place.

Priority Items

The following items have been identified as priority (again, within the scope of the core S&C services):

- “Remote Build” aka “Portable Build” aka “Building and Validation outside of FNAL”. Core components like ART, LArSoft etc, other externals
- Data management: creation of truly distributed and efficient methods of data storage, access, sharing across member institutions and computing centers, and design of Meta-Data
- Grid capability and Workload Management: transparent and efficient sharing of the available computing power, including opportunistic resources
- Event Display and Geometry Model

The Goals

- There is an additional and important planning document, the S&C Requirements. Getting an initial agreement on these, within this group of people, is one of the goals of this meeting (to be presented by Brett, Tom and others).
- We need to assign actual work according to the priority items (presented above) in a WBS-like manner, and report to DOE at a later date. There is a possibility of seed funding prior to the review (TBD), but for that we need to get organized and start working. There will be a Focus Meeting on this topic tomorrow.
- In my opinion, the most important thing right now, on which a lot of things are predicated, is the first item on the priority list – software build and validation, across all of the software complex required by LBNE.
- A solid milestone that we would like to achieve by May is to run MC production and reco in parallel at a few institutions, with reasonably transparent access to data from any of those.