Software and Computing Goals for May Review

LBNE S&C Workshop

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- We want to repeat the success of the Sep. 2013 DOE visit

- In my view we are not expected to present a top quality design solution or implementation to each item to the charge, but rather a firm grasp of the problem domain covered by it and a game plan for advancing in its every dimension.

- The strategy I propose for meeting this charge is twofold:

  – Creation of the Computing Model for LBNE, based on the Requirement currently being finalized – to address the project management part of the charge. This will address many of the components of the charge either directly or by forming a firm base for our answers to them.

  – Creation of the "Technology Demonstrator", a testbench in which LBNE simulation jobs run on the Grid with distributed data management – to identify problems in our software configuration, data handling and other areas as we move towards truly distributed mode of operation. This will provide a feedback loop to the Computing Model and other aspects of the planning process, and increase our level of "grid preparedness" in general.

- The Draft of S&C Requirements is in DocDB, feedback will be collected and we will start work on the Computing Model

- The Technology Demonstrator

  - A few separate slides in this workshop (see agenda)

  - Need to understand data distribution for MC (stage one) and for 35t (stage two)

  - Really need to brainstorm