3/14/19 Steering Group Meeting Notes
Attendees: Matt Toups, Tom Junk, Erica Snider, Katherine Lato

Agenda:

- Work plan status - March update is available at: https://indico.fnal.gov/event/19803/material/1/0.pdf
    - Discussion of spack and support of Mac OS. A growing sentiment within SciSoft that the benefit does not justify the high cost of support.
    - Discussed pull requests when there will be a large number of requests (eg, from DUNE). Have the experience of CMS to draw from.
- SPPM debrief - event display waiting on the division since they have a suggestion.
- LArSoft Workshop
    - LArSoft introduction / tutorial session
        - What should we include in this? What is the target audience?
            - Matt Toups has asked a Fermilab post-doc to write up notes describing their experience on-boarding with LArSoft and the experiment code. We should get that input, and similar input from others to help define the subject matter in the workshop tutorial
            - Discussion of documentation, what would be helpful but is not yet available
        - Tools to assist in using FHICL should be discussed at the tutorial
    - Multi-threading, vectorization, HPC utilization
        - Alignment of LArSoft and SciDAC work plans
    - Long-term vision
        - How does LArSoft need to evolve as we approach the DUNE data-taking era?
        - Seek input from experiments, SCD,
- Round robin -
    - MicroBooNE
        - NuWro item in the work plan is important.
        - Also non-vectorized ways to speed up code could be useful.
            - Note, we expanded item 9 in the work plan to cover more than vectorization, so SciSoft expects to assist with conventional optimization work.
            - The work MicroBooNE is doing to integrate deep learning inferencing into LArSoft production jobs is very important. It enables the use of machine learning inferencing with the existing grid infrastructure. LArSoft is working with a SciDAC project to address the issue of integrating the use of HPC resources within LArSoft.
    - DUNE
        - No additional comments

If you have any questions or comments, please let us know.
Erica & Katherine