March Status Report

As agreed last month, the March quarterly LArSoft Steering Group meeting was handled via a status report. A summary of the status is included below. Please let us know if you have any questions or comments.

LArSoft Status
- The project team has focused on three areas over the past quarter
    - Integration of pixel readout detector geometries
        - Work on re-factoring the geometry system to accommodate alternative readout geometries is nearly complete. Some work remains to fully implement the newly re-factored wire readout geometry system, which will then allow validation of all the changes on data.
        - After validation, work will focus on introducing a pixel readout geometry suitable for all existing ND-LAr prototypes. A draft of the required code already exists.
        - Completion of the pixel readout geometry will allow DUNE developers to create a full ND-LAr simulation within LArSoft.
    - Phase 2 (of 2) of the Spack migration
        - The team continues to make steady progress on creating a system usable by release managers that is capable of building and releasing reproducible distributions of code via Spack in an optimal manner. There is not yet a timeline for completion of this work.
        - Progress on making the external dependencies of LArSoft buildable by Spack has stalled for the time being due to resource limitations.
        - The SciSoft team assists with migrating experiment code to the pre-requisite state as requested
    - Management of pull requests, releases and issue tickets. This work is on-going

- Multi-threading workshop - Held on March 2-3.
    - Workshop was well attended with 43 people registered. It was hybrid with in-person and online options available. There was one day of presentations spread across two morning sessions. Details of the session can be found at: https://indico.fnal.gov/event/57914/ The audience was engaged with robust discussion throughout. Consider it a success. Plans are to share the recordings and a write-up of the workshop at https://larsoft.org/training/

Please let us know if you have any questions or comments. Thank you.
Erica & Katherine