

Steering Group meeting 5/2/17

Attendees: Tom Junk, Katherine Lato, Erica Snider, Brian Rebel

A summary of LArSoft status is available at <https://indico.fnal.gov/conferenceDisplay.py?confId=14198>.

If you have any questions, please let us know.

Round Robin: Is LArSoft heading in the direction to meet experiments' physics needs?

Tom Junk for DUNE:

A question about FLUKA was raised recently. The discussion about it is documented in

<https://cdcv.s.fnal.gov/redmine/issues/12792>.

Orphaned code problem

- Concern about code that is no longer actively supported.
- Typically it works for a while, but over time, either the code or C++ rots from under it.
- While DUNE is responsible for DUNE code, and LArSoft is responsible for LArSoft code, it can be difficult to identify orphan code before it breaks or to ensure there is an owner when it breaks.
- A similar issue surrounds deprecated code (in the C++ sense?)
- No conclusions or suggested policy changes from discussion. Keep an eye on the issue.

CI system features

- Noticed that there are things that didn't break the build, but that doesn't work on all platforms.
- Example: database access does not work on the Mac, so the CI tests fail
 - Not a problem in this case, since most people view Mac OS as a development platform, so don't need DB access.
- Do we need a feature that allows tests to be run only on specific platforms?

Question on when SPACK will be available.

- Should be here in time for the workshop.

Do we know how Brett's wire-cell integration work is going?

- High-level statement at most recent MicroBooNE Collaboration Meeting was that it was "going well". No other details were discussed, although both LArSoft and WireCell agreed on the original integration strategy.

Brian Rebel for LArIAT:

Question about CI build last week

- Committed a module that had the same name as one in DUNE. Concern that similar module names can cause CI warnings. Experiments shouldn't have to check with other experiments before naming modules.

- Omitting "BASENAME_ONLY" from cmake configuration will resolve all build-time conflicts for repositories with an identifying second-level directory (e.g., uboonecode/uboone),
- Both LArIAT and MicroBooNE still use "BASENAME_ONLY".
- Is it possible to configure cmake to append experiment name to library during the build?

If you have any questions, or would like to give status from your experiment, please let us know.

Katherine & Erica