

LArSoft Coordination Meeting

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Today's agenda and speakers

- Release and project report (Erica)
- CI operations report (Vito di Benedetto)
- Pandora update (John Marshall)
- Re-architecting Track3DKalmanHit (Saba Sehrish)
- AOB

LArSoft Workshop

- Will have a LArSoft Workshop on “usability” issues
 - Includes all aspects of using the code
 - Building
 - Installing / porting
 - Interfaces
 - Learning / documentation
- Will come immediately after the FIFE workshop (like last year)
 - Tentatively scheduled for Wednesday, June 22
 - The week after the Fermilab User's Meeting

Send ideas, comments, suggestions, complaints to erica@fnal and ruth@fnal.gov

larsoft.org

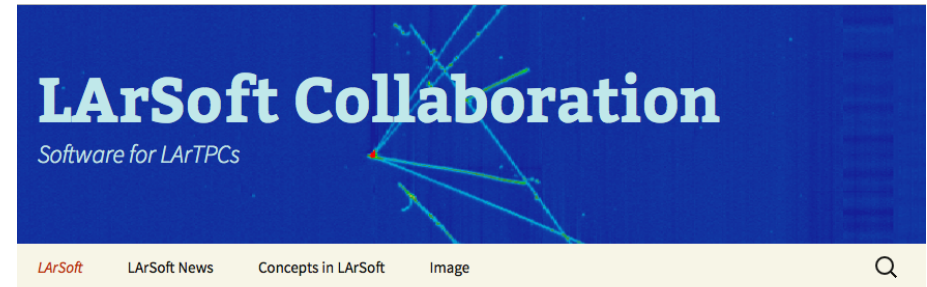
- Launched new LArSoft web-site

Katherine Lato

- Intended audience
 - General public
 - LArSoft new-comers
 - New experiments

Concentrated on more intuitive presentation of information, with improved content better focused to audience

- For existing users
 - Newsletters
 - Link to LArSoft INSPIRE
 - A public reference to LArSoft
 - Until we have a paper... (grrr...)



LArSoft

The Liquid Argon Software (LArSoft) Collaboration develops and supports a shared base of physics software across Liquid Argon (LAr) Time Projection Chamber (TPC) experiments.

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More information at:

- [LArSoft Article](#) – introduction for general public
- [What is LArSoft](#) – explains collaboration versus software aspects of LArSoft
- [LArSoft wiki](#) – covers everything from introduction to details on code releases
- [Coordination meetings](#) – decisions about the content of releases
- [Steering group meetings](#) – policy decisions for the collaboration
- [larforum.org](#) – forum to discuss LArTPC software
- [INSPIRE LArSoft Notes](#) – for collaboration publications (login as larsoftnotes, see [here](#) for how to login)
- [CI results display page](#) – continuous integration status page (it takes time to load)
- [LArTPC_Software_Glossary](#) – as a PDF file
- [Introduction to LArSoft from Training class August 2015](#)

The LArSoft Collaboration is driven by the needs of the participating experiments. The steering group includes the spokespeople of the experiments, as well as representatives from Fermilab's Scientific Computing and Neutrino Divisions. (All pictures are attributed to Fermilab or to the person pictured.)

Releases

- Last week
 - v04_36_01
 - Last of the v04 series (barring patches to some production release)
 - Used as the starting point for v05
- LArSoft v05
 - v05_00_01 tagged on Friday
 - Now working on bringing experiment repositories up to date
 - fcl changes are the rate limit here
 - uboonecode and dunetpc completed as of now
 - CI tests for uboonecode pass with v04_36_01 reference data
 - Expect to release v05_00_01 within the next day
 - Experiment code managers: there may be some fcl files that do not work
 - Might need to make patch releases to fix these
 - LArSoft team will be available to assist with any problems

Releases

- This week
 - After v05 is distributed, begin the major changes discussed at last CM
 - Details on next slide
 - Start with move to GENIE 2.10.4

Major changes

- Agreed to work through the following changes in this order
 - GENIE upgrade to v2.10.4 (immediately after v05 release)
 - GEANT4.10 upgrade
 - Migrate to root 6
 - art v1.19 will accompany the change
 - Repository splits for art and nutools
 - Repository restructuring
 - Separate parts of larcore, lardata and larsim that will be shared with LArLite
 - LArSoft / LArLite integration work will be waiting for this split
 - Will be a template for sharing more code in the future
- Will introduce these changes serially
 - A new LArSoft release for each change
 - Will decide on major/minor version numbers when scope of changes is known
 - No schedule yet for steps beyond GENIE migration, but plan to work through them as quickly as possible

Status of on-going sub-projects

- Usability project report
 - No update this week
- CI system operations
 - Vito di Benedetto
- LArLite integration project
 - Will have status update at next meeting
- Profiling and optimization project
 - No update this week
- Common document repository
 - No update this week

The end