

LArSoft Coordination Meeting

Release and project report

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on behalf of
the SciSoft team
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Today's agenda and speakers

- Release and project report (Erica)
- Saving Wire-Cell Depos in SimChannel IDE with DepoFluxWriter (Brett Viren)
- AOB

Releases

- Since Aug 8 LCM:
 - v09_78_00 released Aug 11
 - New features
 - [LArSoft/larwirecell#33](#): Add skip frame option + fix CMM bug
 - [LArSoft/larreco#59](#): Angular dependent recombination correction
 - [LArSoft/larsim#121](#): Flexible path for RadioGen files
 - Bug fixes
 - [LArSoft/larsimrad#9](#): Use correct random number generator in RadioGen
 - [LArSoft/larutils#14](#): Fix regexp
 - v08_05_00_22 released Aug 14
 - Update ppx (to v2_11_06) in MicroBooNE MCC9.1 production release
 - V09_78_01 released Aug 17
 - New features
 - [LArSoft/larana#29](#): Add option to store photon origins
 - Bug fixes
 - [LArSoft/lardataalg#42](#): Added missing “inline” directive in MultipleChoiceSelection.h

Releases

- Since Aug 8 LCM:
 - V09_78_01 released Aug 17
 - New features
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 - Bug fixes
 - [LArSoft/lardataalg#42](#): Added missing “inline” directive in MultipleChoiceSelection.h
- This week
 - Approved PRs

Status of PRs

- Approval in progress
 - [larwirecell#35](#):
 - Add new DepoFluxWriter for correct handling of track IDs and time offsets
 - Topic of Brett's presentation today
- Under discussion:
 - [lardataalg#43](#):
 - Update DetectorPropertiesStandard to propagate to the collection plane when not accounting for the interplane timings in the ticks-to-distance conversion
 - Follows from different handling of inter-plane offsets in recob::Wire depending on which deconvolution is used

Status of previously introduced updates (unchanged since June 27 LCM)

- **Compilers and Geant4**
 - **Newer compilers needed for *art* 3.13**, Geant 4.11+, ML packages,...
 - Migration to **clang 14 and gcc 12.1** under way
 - clang 14 and gcc 12.1 builds enabled with larsoft v09_75_00
 - **Next: work to update experiment code.** Will migrate when done.
- **Root**
 - Newer root requires *art* 3.13; plan to update *art* as soon as possible

Reminder of current plan for Alma Linux 9 support

- Have the infrastructure needed to work on migration.
- Plan to support Spack-based build only – no UPS => timeline is uncertain
 - **Spack ⇒ Experiments must update from cetbuildtools to cetmodules**

The end