

LArSoft Coordination Meeting

Release and project report

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Today's agenda and speakers

- Release and project report (Erica)
- Status of Geometry service changes to accommodate pixel readouts (part 2) (Kyle Knoepfel)
- AOB

Releases

- Past two weeks:
 - v09_63_00 released Nov 10
 - New features
 - [larevt#19](#): Thread safety in SIOVChannelStatusService
 - Discussed in [Giuseppe Cerati's talk at Nov 1 LCM](#)
 - Set of Geometry service changes to accommodate pixel readouts (part 1)
 - [larcoreal#33](#), [larrecodnn#33](#), [larsim#102](#), [larreco#47](#), [larpandora#28](#), [lareventdisplay#17](#), [lardataalg#37](#), [larana#21](#), [lardata#29](#)
 - Discussed in [Kyle Knoepfel's talk at Sept 20 LCM](#)
 - *Breaking change: removal of deprecated code. Experiment feature branches provided*
 - v09_63_01 released Nov 16
 - New features
 - [larrecodnn#35](#). Common framework for writing CVN modules for different geometries
 - Discussed in [Nitish Nayak's talk at Oct 18 LCM](#)

Releases

- This week
 - Approved PRs

Status of PRs

- Approval in progress
 - [larana#22](#):
 - Module to extract information from photon detector
 - [larsim#104](#):
 - Module to generate photons within a detector for photon full simulation

Status of PRs

- Under discussion:
 - [larsim#95](#): Add ability to read HepEvt events from server (opened May 30)
 - Discussed at a previous LCM
 - Author currently addressing security issues (??)

Status of GENIE v3.02.00b migration

- Need all experiments to sign-off prior to migration
- Status
 - Sent notification to experiments MicroBooNE: ok
 - SBN / SBND / ICARUS: ok
- Need to hear from the rest asap!
- **Plan to migrate in next week's release**

Coming updates

art 3.12 migration

- Expect to migrate some time after the holidays
- See [Kyle's discussion at Nov 1 LCM](#)
- Allows compiler updates

Compilers

- After art 3.12, will migrate to **clang 14 and gcc 12.1**
- clang 14 needed by newer versions of Geant4: 4.11+
 - LArSoft now at v4_10_6_p01e (also builds with clang 14 and gcc 12.1)

The end