

LArSoft Coordination Meeting

Release and project report

Erica Snider
on behalf of
the SciSoft team
Fermilab

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Today's agenda and speakers

- Release and project report (Erica)
- Minimal LArG4-compatible LArTPC geometry example (Hans Wenzel)
- SQLite database update (Herb Greenlee)
- AOB

Releases

- Last week
 - v09_09_00 Oct 28
 - Facilitate call to DetectorClocksStandard::DataFor() via new initialization scheme
 - [lardataalg#16](#)
 - [lardata#11](#)
 - **Note:** ubana, ubcv require feature/gp_simplerForData
 - [larpandoracontent#15](#):
 - Improved robustness of track/shower characterization
 - Includes associated dunetpc update, feature/chappell_pdsp_ts_update)
 - [larsim#46](#):
 - Use direct file path instead of ifdh copy for Corsika shower DB files + assoc. config flags
 - nusimdata v1_21_03: Addresses issue [#25144](#).
 - Processes 'CoulombScat' and 'nCapture' added to MCTrajectory, default margin of 0.1
 - Will have an effect on some Geant4 reweighting machinery now under development
 - [larreco#23](#): bug fix in TrajCluster + additional 3D reconstruction improvements

Releases

- This week
 - Fix to larpandoracontent
 - Header files not included in UPS product in LArSoft v09_09_00
 - No relevant CI tests, so was released in broken state.
 - Update to larbatch (already merged)
 - No other pending PRs as of now

Status of PRs

- Approvals in progress
 - None

Status of PRs

- Under discussion
 - Linked changes to effectively disable geometry config check at run boundaries ([issue #24328](#)) (moved from “approvals in progress” to address some issues)
 - [larcore#6](#)
 - [larcoreobj#9](#)
 - Linked changes
 - [larsim#24](#): Include ChargeYield service in DriftIonizationElectrons of LArVoxelReadout (opened June 8)
 - Solution identified. Awaiting update from author.
 - [larevt#7](#): Including ChargeYield service (opened June 6)

Status of PRs

- Under discussion (cont'd)
 - [larsim#33](#): fix for factor of 2 difference in original NEST algorithm (from July 22)
 - Met with authors this past Friday
 - Authors decided to close the PR (which has code based on LArSoft v08)
 - Will submit two new ones based on head of develop
 - *One to fix the factor of two*
 - *One to complete module changes to allow switching between SimPhotons and SimPhotonsLite*

The end