LArSoft Coordination Meeting

Release and project report

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on behalf of
the SciSoft team
Fermilab

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Today's agenda and speakers

- Release and project report (Erica)

- Integrating PPFX re-weighting into larsim (Katrina Miller)

- Specifying detector components in configuration files (Gianluca Petrillo)

- AOB

Releases

- ## Last week

  - ### v08_54_00 released May 28

    - [larsim#18](): Correlated ionization / scintillation algorithm
      - Introduces anti-correlation between ionization / scintillation light yields
    - New wirecell version (0.14.0) with necessary updates for ICARUS
      - **Breaking change**
      - **Fixes provided for dunetpc and uboonedata. See release notes**
    - But fixes: [larcorealg#8]() + [larcorealg#7]()

  - ### v09_00_00rc released May 31

    - Release candidate for thread-safe detector clocks and properties
    - Based on v08_54_00
    - Official announcement will be sent after CI testing is completed

Releases

- This week

  - [larsim#20](): Fix for POTaggregator module
    - Did not aggregate correctly across run boundaries. Fixed

  - Approved PRs

Status of PRs

- Cleared most previously in "approvals in progress" or "under discussion"

- Long list of PRs for Kyle's updates to make DetectorClocks thread-safe
  - Previouly in "under discussion"
  - All merged into LArSoft v09 release candidate: v09_00_00rc

- Approvals in progress

  - larsim#21:   Bug fix for fScintillaationYieldRatio member variable in correlated alg
    - CI testing

  - larpandoracontent#5: features to allow selection of slices based on user-defined criteria + fix to compiler warning
    - For training set generation, so no changes to experiment code / configurations

Status of PRs

- Under discussion

  - [larsim#7](#): Improved RadioGen (opened Feb 25)
    - Author implemented SciSoft suggested changes. Worked on unit tests
    - Author subsequently determined RadioGen might not provide adequate solution -- put on hold until further notice

  - [larrecodnn#5](#): Add Mike [Wang's] module to dump raw waveform for ROI finding network training (opened Apr 27)
    - SciSoft suggested an alternative to the unsupported c2numpy currently used
    - Author is looking into this

The end