LArSoft Coordination Meeting

Release and project report

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Today's agenda and speakers

- Release and project report (Erica)

- Status of Spack development / migration (Chris Green)

- Towards a more realistic simulation, and what to expect (Hans Wenzel)

Releases

- **Last week**

  - v06_76_00_01 released on May 15
    - **Test release for art 2.11.02.** Minimal changes were needed
    - e15 only, though e17 is possible with *art* 2.11 series (will follow soon!)
    - Migration instructions / scripts can be found in the release notes page
      - feature/team_for_art_2_11_02 with fixes for dunetpc, lariatsoft, sbndcode, uboonecode
    - **Need positive sign-off from all experiments** before we can proceed

  - v06_77_00 released
    - Dual-phase timing changes presented at last LCM
    - larwirecell includes L1 regularization based deconvolution

- **This week**

  - Some breaking changes from work on LArSoft tickets
    - Next slide

  - DetectorClocks service provider moving to lardataalg
    - Makes this available in gallery

Breaking changes to be integrated this week

- Three breaking changes for this week

- #1: Remove 2nd argument from geo::GeometryCore::WirePitch()
  ticket #18137

  - Interface allows variable answer given two wires passed as arguments

  - Never used, and geometry does not really support variable pitch

  - Removing argument makes this more clear

- #2: Fix design flaw in geo::ChannelMapAlg interface
  ticket #18136

  - Virtual method SignalType() has two signatures

    - This complicates overrides, since overriding only one hides the other

  - Replaced with non-virtual methods that call protected virtual methods

Breaking changes to be integrated this week

- #3: Input histogram files to `SingleGen`:
  ticket #19313

  - Input histogram file set via `HistogramFile` fcl parameter

  - Currently need to specify the full file path to the histogram file

  - With this change, `SingleGen` uses `FW_SEARCH_PATH` environment variable

  - Note: existing fcls (with full paths) should still work, but this is a change in behavior that might cause the module to find a different file than before.

  As usual, details and instructions can be found on the LArSoft breaking change page in the LArSoft wiki

The end