LArSoft Coordination Meeting

Release and project report

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Aug 28, 2018

Today's agenda and speakers

- Release and project report (Erica)

- Changes to LArProperties service

- AOB

Releases

- ## Last week

  - V07_03_00 released on Aug 23

    - No e15 version available

    - Added TrajCluster Slice

    - FHICL-configurable recombination parameters

- ## This week

  - Fixes for LArG4 re-factoring

  - Waiting to hear from several others about changes

larsim to lardetsim migration

- Will migrate `larsim` to `lardetsim` to fix 10 GB problem in history

- Outline of draft procedure

  - Freeze the `larsim` repository

    - Developers should expect to push current state of all feature branches to central repository prior to the freeze

  - Create a release

  - Central `larsim` repository history will be cleaned, migrated to `lardetsim`

  - Create a new release that uses `lardetsim` instead of `larsim`

    - All `larsim` references on head of develop across LarSoft will be fixed at release

    - Content is otherwise identical to the first.

  - Go live

  Expect this to take ~1 day

  - All steps will be rehearsed in advance to ensure everything goes smoothly during the actual migration

larsim to lardetsim migration

- Several cases to address for developers / users

  - Case I: user pushed private code as recommended

    - The only method that will preserve histories…

  - Case II: user did not push private branch, but it exists on central repository

  - Case III: did not push private branch, but it does not exist in repository

  Slight changes in migration procedure for each, none difficult

  - In all cases, will have scripts to fix references to larsim

- The details will be documented in advance on the LArSoft wiki

- Schedule

  - Earliest is to do this the week of Sept 10

  - Will get sign-off from all experiments

The procedure to commit code to LArSoft

- LArSoft thrives because many people contribute detector-independent code to the core LArSoft repositories

- Want the barriers to such contributions to be as low as possible

- Current procedure for merging code strains LArSoft project resources

    - Changes in CI support, available personnel has had adverse impact

- Drafting a new policy for committing code to LArSoft

    - Will require all code to be tested on CI system prior to being merged

- **No change yet**

    - Working on tools to help automate, make this as easy as possible

    - May be integrated in other planned changes to repository hosting

    - Now just making people aware of this coming change, seeking feedback

The end