LArSoft Coordination Meeting

Release and project report

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Fermilab

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Today's agenda and speakers

- Release and project report (Erica)

- A shower reconstruction algorithm for electrons – Rory Fitzpatrick

- Honda flux in Genie – Wanwei Wu

- AOB

Releases

- ## Last week

  - V07_05_00 released on Sept 6

    - Wire-cell improvements

    - Upgrade to Ifdhc v2_3_6: error collection improvments

    - Changes to develop

- ## This week

  - Changes to systematicstools and nusystematics

  - Move of MCDumpers to lardataalg

  - No other changes requested at present

Genie v3 beta

- Have been working to fulfill a request for access to beta release of Genie v3

- Status

    - Received a suitable v3 tarball with which to work at the end of last week

    - Expect to work on a test release based on Genie v3 this week

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 to receive final experiment sign-off this week

  - Will proceed with the migration afterward

Error handling policy

- The need for an official error handling policy noted long ago

- Is an item on the 2018 LArSoft work plan

- In the process of deploying a policy

  - Will be based on the art error handling policy

  - Specifies the classes involved, the levels of errors that should be used, how they should be handled

  - Guidance for how to classify the level of specific types of errors

  - Modeled on the CMS error handling policy

- Status

  - Need to complete documentation – expected in one to two months

- If any input, please send it to larsoft-team@fnal.gov

The end