LArSoft Coordination Meeting

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LArSoft Coordination Meeting, October 6th , 2015

Today's agenda and speakers

- Release and project report *(G. P., Lynn Garren)*
- Merging wire-cell information with LArSoft *(Tingjun Yang)*
- The new look of `LArProperties`, `DatabaseUtil` and `TimeService` services *(Jonathan Paley)*
- A new showering algorithm *(Mike Wallbank)*
- LArLite/LArSoft integration task force: status report *(David Dagenhart)*
- LArSoft simulation profiling *(Hans Wenzel)*
- any other business

Releases

- released `v04_25_00` last week:
  - interface with wire cell framework (see Tingjun talk today)
  - merging of `IChannelStatusService` replacing `ChannelFilter` class
    - due to technical problems, release went out with incomplete update
    - some items are updated in `develop` branch (lardata and larevt)
    - see below...
  - release notes at `https://cdcvs.fnal.gov/redmine/projects/larsoft/wiki/ReleaseNotes042500`
- this week release:
  - completing the migration to `IChannelStatusService`
    - all configuration in LArSoft should be fixed
    - deprecated `ChannelFilter` replaced from LArSoft code (how-to: `larevt/CalibrationDBI/Interface/IChannelStatusService`)
    - name change: the new "standard" service will change name from `SimpleChannelFilterService` to `SimpleChannelStatusService`
    - ready to support upgrade of experiment code
  - today's business (new showering algorithm)
  - ... ?

Architecture review: short update

Architecture Review plan:

- code review of new version of LArSoft core services this week
- next focus on factorization and interoperability of:

  `Cluster3D`
  `CCTrackMaker`
  `TrackKalman3DHit`
  `ShowerReco3D`
  (want more? ask... also help if you can)
- this (extensive) work scheduled for completion by the end of 2015

Some updates are recorded at `https://cdcvs.fnal.gov/redmine/projects/larsoft/wiki/Architecture_revision`.

No Architecture Review Meeting is scheduled for tomorrow.

LArTPC Requirements workshop (October 19–20)

- organized by the experiment spokespeople and FNAL ND/SCD (LArSoft Collaboration)
  co-chairs: Ornella Palamara and Erica Snider
- Reconstruction *Assessment* workshop, requested by LBNC oversight group
  - *ArgoNeuT, Icarus, MicroBooNE will report*
- Reconstruction *Requirements* workshop
  - ⇒ goal: to document across multiple experiments a comprehensive list of the currently known requirements
  - for hardware, software, processes, interfaces and interactions (both human and computer)
  - for simulation, reconstruction and analysis of data from LAr TPCs
- Open Discussion → by invitation and restricted access to the indico site.
- currently collecting Use Cases/Scenarios to guide the discussion
- files posted at `https://cdcvs.fnal.gov/redmine/projects/lartpc-requirements/repository`

On with the agenda
and with Lynn's update