



## Today's agenda and speakers

- Release and project report (Erica)
- The option of Pythia 8 decays of tau and charm-hadrons in Legacy and refactorized LArG4 (Robert Hatcher)
- Introducing a larvecutils package for vectorized code (Giuseppe Cerati)
- AOB



#### Releases

- No release last week
- The week before last
  - v09\_36\_00\_02 released on Nov 17
    - Test release bringing forward MicroBooNE MCC9 developments
    - Backs out <u>larana#14</u>: improvements to pedestal estimation in optical waveforms
  - v09\_37\_00 released on Nov 18
    - New features
      - <u>larsim#80</u>: CRT translation module to convert sim::AuxDetHits to sim:AuxDetSimChannels
      - <u>larcorealg#23</u>: adding tolerances when finding AuxDet(Sensitive)s

Discussions at the last LCM about alternative methods for doing some of this

- Bug fixes
  - <u>larana#16</u>: revert <u>larana#14</u>



#### Releases

- The week before last (cont'd)
  - v09\_37\_01 released on Nov 19
    - New features
      - <u>larsim#81</u>: Add option to merge AuxDetHits from different streams in MergeSimSources module
        - Needed when running multiple LArG4 instances
        - Requested by SBND as part of preparations for production release
- This week
  - Approved PRs
  - New version of marley, v1\_2\_0f, that fixes data files search path issue in reported by DUNE users for marley v1\_2\_0e
    - A work-around has been provided to those users in the mean time



#### Status of PRs

- Under discussion:
  - o <u>larcorealg#21</u>: geo::OpDetGeo made aware of detector orientation Opened Aug 21
    - Purpose
      - Fixes a problem where rotations in GDML are not taken into account by Geometry service in some cases. Needed by DUNE vertical drift and SBND.
      - Addresses <u>issue #26118</u>
    - Status: unchanged since Oct 29
      - Found photo-detector geometry issues in CI testing for dunefd-hd and SBND
      - Placed on hold while author was away
      - Expect updates soon



#### Status of PRs

- Approvals in progress
  - o <u>larsim#82</u>, <u>larsim#83</u>: Map SimChannels by cryostat
    - Needed to prevent extra SimChannels from being created when a channel is associated with multiple TPCs
  - <u>larpandoracontent#35</u>, <u>larpandoracontent#24</u>
    - #35: Updates to hierarchy tools, metrics, quality and reconstructability criteria
    - #24: Adds the primaryBackground MC process to avoid runtime warnings
    - No changes to pattern recognition in either
  - <u>lardataalg#28</u>: Add new parameter controlling whether to allow for timing offsets between different readout planes in recob::Wire
    - Discussed at length at last LCM and in a follow-up meeting
    - Adopted this as a stop-gap measure while converging on a long-term, structural solution to be determined at a subsequent meeting.



### Status of PRs

- Merged into develop
  - webevd#34: Work out size of PNGView structure on demand
    - Needed for ICARUS data, where recob::Wire objects can have different numbers of ticks



## Status of LArSoft wiki access (unchanged since last LCM)

- Looking at migrating LArSoft wiki to GitHub to address problems with wiki access due to Fermilab SSO requirement
  - Status
    - Have performed test migrations. Still evaluating result. ← this is where we are...
    - Expect to make a decision within next couple of weeks.
- As mentioned last time:
  - Lab plans to allow CERN SSO logins to view most content behind Fermilab SSO
    - Plan to expand this to SSO logins from other labs. Unclear if universities will be included.
  - The lab will provide "lightweight" Fermilab SSO accounts, much as CERN does
    - Will allow access to more restricted set of Fermilab SSO-protected content
  - o In the meantime, https://search.fnal.gov site (SSO-protected) intended to provide google-quality search *within* SSO-protected domain (and only within...)



# The end