



Today's agenda and speakers

- Release and project report (Erica)
- ParticleID data product update (Herb Greenlee)
- cetmodules 2: overview, highlights and implications for UPS to Spack migration (Chris Green)
- AOB



Last few weeks

- v09_32_00 released on Sept 30
 - New features
 - <u>larsim#74</u>: Light simulation updates for DUNE vertical drift
 - <u>larsimrad#4</u>: decay0 changes
 - Improve rejection method and make it configurable + allow TF1 decay positions + fix alpha mass bug
 - <u>lardataobj#16</u>: Add support for vectors of *art* pointers in reco objects
 - <u>larbatch#17</u>: Revert to old mrb when necessary
 - Bug fixes
 - <u>larsim#73</u>: replace coordinate subtraction with pitch to prevent negative distances
 Resolves <u>issue #26277</u>
 - <u>larpandoracontent#33</u>: Fix invalid iterator use in ClusterAssociation. Avoid comparisons with deleted clusters
 - <u>lardataalg#26</u>: Fix 2-year-old bug in detinfo::DetectorTimings::BeamGateTime()
 - <u>lardata#18</u>: documentation format fix in DetectorClocksServiceStandard



- Last few weeks (cont'd)
 - v09_32_01 released on Oct 7
 - New features
 - <u>larrecodnn#23</u>: Add FHiCL parameter to specify number of inference retries
 - <u>larg4#28</u>: add linkage to nug4_additionalG4Physics lib
 - v09_33_00 relelased Oct 13
 - New features
 - <u>larsim#75</u>: removes self-supported physics list factory in favor of new g4alt factory
 Coupled with a linked PR in nug4
 - <u>larg4#29</u>: allows CI testing with new nug4 / physics list factory
 - Bug fixes
 - <u>larsim#71</u>: cleanups to Boost tests as part of <u>issue #26092</u>



- Last few weeks (cont'd)
 - v09_34_00 released Oct 21
 - New features
 - <u>lardata#19</u>: add DumpParticleIDs module to vet future ParticleID updates.
 - <u>lardataalg#25</u>: boost test cleanup + remove unused comparisons and conversions
 - Bug fixes
 - Boost test cleanups: lardata#17, larreco#34, larana#12, larevt#13, larexamples#7, larcorealg#22, larcore#8, larcoreobj#12, lardataobj#14
 - <u>lardataalg#27</u>: documentation fix
 - v09_35_00 released Oct 27
 - New features
 - LInked changes: support multiple larg4 instances. Resolves issue #26249.
 - o <u>larg4#30</u>, <u>larsim#76</u>
 - <u>parpandoracontent#34</u>: update MC processes available internally. No output changes
 - Known issue
 - Running two larg4 instances via different fcl files works. In a single fcl file does not



- This week
 - Approved PRs
 - Aiming to include updates to ifdh_art and nutools that build with cetmodules instead of cetbuildtools
 - Only minor changes required. May be an update script available.
 - Moving forward, users must specify include path for the IFDH header:

```
#include "ifdh_art/IFDHService/IFDH_service.h"
```

Under testing now



Status of PRs

- Under discussion:
 - <u>larana#14</u>: Bug fix in OpHitFinder (formerly <u>larana#13</u>)
 - Purpose
 - Fixes problem in pedestal calculation when ADC is saturated.
 - Does not change default behavior (i.e., with the bug)
 - Status: Final issues being addressed by SciSoft team as (this) new PR
 - 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
 - Last week, found dunefd-hd and SBND photo-detector geometry issue in CI testing
 - Placed on hold for two weeks while author is away



Status of PRs

- Approvals in progress
 - o larcorednn#24:
 - Fix bugs and added new version also output clean signal waveforms
 - Needs minor follow-ups from author before being ready to merge



Status of LArSoft wiki access

- Looking at migrating LArSoft wiki to GitHub to address problems with wik access due to Fermilab SSO requirement
 - Status
 - Have performed test migrations.
 - Still evaluating result
 - 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