

LArSoft Librarian's Meeting

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Today's agenda

- Status of releases
- Priority code changes, issues and discussion
- Geant4 macros (Lynn)
- Managing random number generators / seeds (Gianluca)
- AOB

Release schedule

- Integration releases
 - v1.00.08 tagged
 - Expect to be released shortly
 - Delayed a bit addressing mrb issues...
 - Paired with v1.01.00
 - v1.01.00
 - Exactly the same code as in v1.00.08
 - Changes to underlying products to accommodate OSX Maverick build
 - gcc
 - art
 - root
 - ...
 - Will build / release immediately after v1.00.08
- Experiment needs?

Priority code changes, issues and discussion

- “Region of interest” changes to recob::Wire
 - Observe >100x reduction in memory footprint.
 - Fixes LBNE memory problem (?)
 - Significant speed improvements also
 - Not in v1.01.00
 - Verify conclusion from last time
 - Not backwards compatible with any old files with recob::Wire
 - Ok with deprecating old data?
 - If yes, will merge this into the next integration release
- Make existing code work for both uBooNE and LBNE
 - Continue targeted work on optimization
 - A follow-up hit/clustering issue: the hit generation workflow needs to accommodate a hit disambiguation phase
 - Not prepared to discuss this now
 - Will convene a small group to make a proposal at the next librarian's meeting

Priority code changes, issues and discussion

- Track interface changes
 - ES working on a proposal. Hope to have this ready by next librarians meeting
- Integration system requirements
 - Drafting a specification for LArSoft
 - Have been working with SCD effort to develop a CI service
 - Will only provide part of the solution
 - Will have draft requirements for next librarians meeting (and possibly ready for stakeholders meeting next week)
- uBooNE PMT geometry
 - In a ticket. Waiting for an optical response library.
 - Will assign it to an appropriate person...

The rest of the meeting

- Geant4 macros
- Managing random number generators and seeds
 - Issues 5540 and 5737
- AOB