

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)
- Particle bomb generator (Andy Furmanski)
- Timing fix to CORSIKAGen (Matt Bass)
- Tool interfaces for ADC simulation and response functions (David Adams)
- AOB

Releases

- Last week
 - v06_34_01 released on May 2
 - Bug fixes
 - See [the release notes](#) for details
 - v06_26_01_02
 - Patch release for MicroBooNE v06_26_01_01 production release
 - This is a production release for MicroBooNE MCC8 production processing

- This week
 - No merge requests yet
 - New version of ifdhc to fix a bug

Status of Geant4 migration

- The plan
 - Create a **test release** with Geant4 10.3.p01
 - **A departure from usual practice of release candidates**
 - Too difficult at this point to identify the correct target minor release
 - We update the minor release number often
 - We don't know how much integration work will be required
 - The test release will a patch release forked off an integration release TBD
 - So will take the form **v06_xx_yy_zz**

- Status
 - We have a build against 10.3.p01
 - Some unit tests are failing due to a bug
 - See [issue #16513](#) for details
 - Will proceed when this is addressed

Announcements

- Code analysis target
 - Still taking suggestions for the next target
 - Want your code to run faster? :)
 - Be easier to maintain?

LArSoft workshop: Tues June 20, 2017

- **Registration is now OPEN**

- See <https://larsoft.org/register>

- **Topics**

- SPACK build system tutorial
 - In depth, hands-on exploration of features, how to configure builds
- Introduction to concurrency
 - What this means, why it is important, what it implies for your code in advance of multi-threaded *art* release
- Debugging and profiling tutorial
 - Back by popular demand
- New CI system features and configuration

Questions? Comments? Suggestions? larsoft-team@fnal.gov

Status of on-going sub-projects

- LArG4 re-factoring project
 - No report this week
- CI system operations
 - Vito di Benedetto
- Usability: associations
 - Saba Sehrish
- Profiling and optimization project
 - No report this week
- LArSoft documentation
 - Katherine Lato

The end