

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)
- LArSoft / LArLite integration status (Ariana Hackenburg)
- Documentation report (Katherine Lato)
- Association usability project (Saba Sehrish)
- CI operations report (Vito di Benedetto)
- Dat product review project (Gianluca Petrillo)
- AOB

Releases

- Last week:
 - v06_04_01 released Aug 24
 - Includes minor changes to develop since v06_04_00
 - Might be a production release for DUNE MCC7
 - Waiting for verification
- This week
 - Do not know of any major changes for this week
 - Possibly a new nutools (?)

nutools and Qt

- nutools currently distributed with Qt
 - This dependency is being removed
 - Qt will no longer be distributed with nutools
- Qt is used in interactive interface for GEANT4
- Questions to LArSoft community
 - Does anyone run GEANT4 interactively?
 - Are there any know uses of Qt?
 - If 'yes' to either, then we will start distributing Qt as part of LArSoft distribution
 - Otherwise, it will become unavailable when nutools drops it

Profiling and optimization discussions

- SCD planning a series of informal discussions on profiling
 - Will address use of tools and related topics such as
 - how to identify code that needs to be improved
 - how to improve itin live profiling sessions
 - Hosted by Scientific Software Application Dept, Tools and Advanced Computing group led by Marc Paterno
- Will be seeking volunteers
 - To have code profiled live during one of these sessions
 - Need to be willing to have code on display during the meeting
- This is good! People should want to volunteer!

Mac OSX “El Capitan” update

- *art* has officially declared Mac OSX “El Capitan” as a “known to work” platform
 - Requires
 - Disabling System Integrity Protection (SIP)
 - Installing homebrew keg-only install of openssl
 - See instructions under ["El Capitan Support" wiki page in Redmine](#)
 - Support: will have distribution tarballs available on scisoft
- The same SIP / openssl tricks needed for LArSoft
 - We are also declaring El Capitan as “known to work” with those changes
 - Plan to start making distribution tarballs available on scisoft
 - Provided on best effort basis only
 - Depends upon continued availability of Jenkins slave node with SIP disabled

Status of on-going sub-projects

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

The end