

LArSoft Coordination Meeting

Release and project report

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Today's agenda and speakers

- Release and project report (Erica)
- DUNE data model and implications for LArSoft (Heidi Schellman)
- Validation of recent PID changes (Kirsty Duffy)
- AOB

Releases

- Last week
 - v08_31_00 released Sept 20
 - First release with root v6_18_04
 - Resolves issue with reading recob::Vertex ([issue #23013](#))
 - Requires using native Cocoa graphics on Mac OS
 - These are breaking changes:
 - Some iorules need to be removed
 - See the [breaking change page](#) and [issue #23013](#) for details
 - Must initialize root generic graphics instead of explicit X11 on MacOS
 - See the [“macOS missing TGX11” on the breaking change page](#) for details
- This week
 - No requests so far aside from things discussed today

Python 3

Learned last week that FIFE intends to migrate to python 3 early next year

- LArSoft was planning to make python 3 the default asap
- So, e.g., jobsub will be using older python

LArSoft already has “py3” qualifier to select python 3

- Should not be a problem, but **need experiments to:**
 - **Test running jobs with python 3-qualified LArSoft releases**, report any problems observed to FIFE
- --OR--
 - **Provide feedback to FIFE** to migrate earlier

Mac OS support

As reported at previous LCM

- Released results of OS preference survey
- SciSoft plan to shed support for MacOS due to low demand, high effort required, loss of available effort

Mac OS support

Some clarifications

- Nothing is changing immediately -- no timeline was announced
 - But expected to occur by the end of this year
 - After the change, SciSoft level of support will downgrade to “known to work”
 - No SciSoft supported builds
 - See the [supported platforms wiki page](#) for details
- The decision strictly a matter of services we are able to provide
 - Focusing effort on modernizing code to run efficiently on current and anticipated heterogeneous / HPC resources that will be available

Mac OS support

Some clarifications (cont'd)

- Committed to ensuring that art / LArSoft runs on any / all platforms needed by the experiments
- Welcome contributions that would provide full, “official” support for any other OS
 - No restrictions on what these need to be
 - Requires a Jenkins CI slave node to be considered “fully supported”
- Will document containerized solutions prior to dropping regular MacOS releases
 - Containers are a good idea in any event, so should document how to do this

Mac OS support

Questions?

Comments?

Discussion?

The end