



## *art news*

Kyle J. Knoepfel  
18 January 2018

## **art 2.09.06**

- As mentioned last week, there have been backwards compatibility problems with *art* versions 2.09.01 through 2.09.05 (inclusive).
- These incompatibilities have been resolved with *art* 2.09.06.
- We have removed the download links for 2.09.0[1-5].
- All experiments affected have been contacted.

## art 2.10

- Supports thread-safe use of database information
- Permits specification of in-memory only products (e.g.)

```
produces<unsigned>("Efield", art::Persistable::No); // default is 'Yes'
```

- Can reset file suffixes when during file renaming
- Allows TFileService to switch to new output files
- Provides a new `--validate-config` program option
- First release to support macOS High Sierra (10.13, SIP disabled)
- El Capitan (10.11, SIP disabled) builds discontinued
- e14 builds discontinued
- No more 'nu' qualifier—the muon experiments have agreed to subsume the extra dependencies required by the neutrino experiments.

# macOS support

- As of *art 2.10*, Clang 5.0.1 (c2) will be the compiler distributed for supporting Mac systems.
- There will no longer be any e-qualified builds for macOS.
- A note was sent out to the users and stakeholders yesterday, stating our intention to support the most recent Mac operating system, and one previous.
- We had started work toward providing an El Capitan c2 build of *art 2.10*, but errors encountered in CLHEP do not permit this.
- We are therefore dropping support for El Capitan as of *art 2.10*.

# Retiring nu qualification

- We have provided the nu-qualified build of ROOT (and any downstream products)
- The nu-qualified distributions include ROOT built with the following flags enabled:
  - Dmathmore=0N
  - Dgsl=0N (gsl)
  - Dmysql=0N (mysql\_client)
  - Dpgsql=0N (postgresql)
  - Dpythia6=0N (pythia)
- g-2 and Mu2e have agreed to adopt this build of ROOT, allowing us to remove the nu qualifier.