LArSoft Coordination Meeting

Release and project report

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Today's agenda and speakers

- Release and project report (Erica)

- Photon physics in Geant4 (Hans Wenzel)

- Flux changes in `nutools` (Joseph Zennamo)

- Status of changes to recob::Track and related classes (Giuseppe Cerati and Gianluca Petrillo)

- AOB

Releases

- **Last week**

  - v06_22_00 released on Thursday

    - New MVA data product
    - Breaking change: `lardata/RecoBaseArt` moved to `lardata/ArtDataHelpers`
      - Use the script `UpdateArtDataHelper.sh` to fix branches and private code

- **This week**

  - recob::Track changes

    - See Giuseppe's talk
  - Aware of no other requests

Other news items

- rootcinc include guards

  - In root 6, __rootcint__ include guard symbols no longer defined

  - Have been replaced by __rootcling__ symbols

    - Do not know whether we need to use this, so do not yet have a policy

    - Working on that...

  - In the mean time, no longer need #ifdef __rootcint__ ... #endif blocks

Other news items

- **Stale / dead / unused feature branches**

    - Some repositories have accumulated many feature branches

larcore	35	lardata	65	larevt	32	larana	48
larcoreobj	7	lardataobj	12	larreco	92	lareventdisplay	32
larcorealg	6	lardataalg	3	larsim	71	larexamples	10

    Suspect many are no longer used / needed.

    - Removing a branch from local repository **does not** automatically remove it from the central repository (and visa versa)

    To remove it from both the local and central repositories:

    ```
    cd to source code
    git branch -d feature/mybranch            # removes it from the local repository
    git branch -dr  origin/feature/mybranch  # removes it from remote.
    ```

    - **Please remove unused feature branches that you own**

        - And only ones that you own please!! Thank you!

Status of on-going sub-projects

- LArG4 re-factoring project

  - Hans Wenzel

- CI system operations

  - Vito di Benedetto

- Usability: associations

  - Saba Sehrish

- Profiling and optimization project

  - No report this week

- LArSoft documentation

  - Katherine Lato

The end