



# Today's agenda and speakers

- Release and project report (Erica)
- PPFX updates in MicroBooNE (Nitish Nayak)
- AOB



#### Releases

- Since June 27 LCM:
  - v09\_75\_03 released June 29
    - Maintenance
      - LArSoft/larrecodnn#41: Updated code to accommodate changes to Triton 2.25.00 API
  - $\circ$  v09\_76\_00 released July 5
    - New features
      - LArSoft/larsim#120: PPFX and GENIEGen updates discussed at <u>June 27 LCM</u>
      - <u>LArSoft/larsim#118</u>: New orientation for PDs added for new DUNE-VD geometry
      - <u>NuSoftHEP/nugen#9</u>: Change function to return vector of genie::EventRecord pointers needed for nusystematics
    - Bug fixes
      - LArSoft/systematicstools#2: Set Nvariations
      - LArSoft/nusystematics#3: Fix FHiCL parameter name error

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#### Releases

- Since June 27 LCM:
  - $\circ$  v09\_77\_00 released July 26
    - New features
      - <u>LArSoft/larpandoracontent#56</u>: Infrastructure to support shower refinement
      - LArSoft/larreco#58: Make option in SpacePointSolver to skip events with few hits configurable
        - **Possible breaking change**
  - v08\_05\_00\_21 released July 31
    - MicroBooNE MCC9.1 production release

- This week
  - Approved PRs

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### Status of PRs

- Approval in progress
  - <u>larreco#59</u>: Angular dependent recombination correction
  - <u>larwirecell#33</u>: Empty CMM bug fix + configurable skip frame in FrameSaver
  - larsimrad#9: Fix to RadioGen random engine
  - <u>larsim#121</u>: Flexible path for RadioGen files
- Under discussion:
  - <u>larana#29</u>: Add flag to store photon origin for sim training samples in SimPhotonCounter\_module



## Status of previously introduced updates (unchanged since June 27 LCM)

- Compilers and Geant4
  - Newer compilers needed for art 3.13, Geant 4.11+, ML packages,...
  - Migration to clang 14 and gcc 12.1 under way
    - clang 14 and gcc 12.1 builds enabled with larsoft v09\_75\_00
    - Next: work to update experiment code. Will migrate when done.

#### • Root

• Newer root requires *art* 3.13; plan to update *art* as soon as possible

Reminder of current plan for Alma Linux 9 support

- Have the infrastructure needed to work on migration.
- Plan to support Spack-based build only no UPS => timeline is uncertain
  - Spack ⇒ Experiments must update from cetbuildtools to cetmodules

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# The end