

Plan for MCC 4.0

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Status of DUNE-ification

- Feature branches were created where lbne is replaced with dune and will be merged into develop in the next larsoft release (v04_19_00).
- We created a new repository dunetpc (currently empty) and will copy everything from lbnecode over. People should develop in the new dunetpc repository when it is ready (watch for email announcement) and lbnecode will be made readonly.
- The dunetpc wiki page has been created (copied from lbnecode wiki):
 - https://cdcvs.fnal.gov/redmine/projects/dunetpc/wiki/_Tutorial

Plan for MCC 4.0

- We plan to start a new MCC next week.
- 35t samples (10,000 events each)
 - AntiMuonCutEvents_LSU_lbne35t
 - prodcosmics_lbne35t_milliblock
 - Horizontal muon enhanced sample
 - Proton enhanced sample
 - Pi0 sample
- FD samples - beam, nue, nutau (10,000 events each)

Update on simulation

- Window size is fixed for the 35t CRY sample.
- New photon library for the PD simulation.
- Improvements to the PD simulation.

Update on reconstruction

- New track reconstruction: PMATrack
- Updated Pandora reconstruction
- New cluster reconstruction: BlurredClustering
- Flash/track matching and t0 reconstruction
- Shower reconstruction?
- Drop old reconstruction: cheater reco (keep disambiguation cheater), dbcluster, costrk