

MC Production Status

- protoDUNE geometry updated (Martin)
 - Includes simple description of beam window
- MCC samples produced (Dorota, Elizabeth, Tingjun)
 - 1 GeV electrons, kaons, protons
 - 200 MeV muons and pions
 - Two samples each: mono-energetic beam and $\Delta p/p = 5\%$
 - Starting position is front face of beam window; beam angle aligned with beam window; no beam spread or divergence
 - Location: /pnfs/dune/persistent/dunepro/v05_09_01/reco/gen_protodune*
- Next steps
 - Analyze MCC samples (Dorota, Robert, others?)
 - protoDUNE space charge position distortion implemented in LArSoft (done, Mike)
 - Generate samples with space charge position distortion (Elizabeth)
 - Space charge recombination effect (Mike/Elizabeth)
 - Cosmics samples with and w/o space charge effects (Elizabeth)