

# A short summary of ProtoDUNE HD status

- Expect to complete NP04 filling late May, and start commissioning shortly after
  - First beam for ProtoDUNE HD: June 19<sup>th</sup>
- Tasks for Wire-Cell team before the commissioning
  - Understand noise (coherent, microphonic, harmonic 50kHz) from coldbox dataset – mostly done by Jay, some updates needed for NF parameters
  - Develop tools for electronics calibration – Karla is working on it
  - Improved signal processing with DNN ROI & performance evaluation – Sergey is working on it
- Tasks for Wire-Cell team during the commissioning
  - Understand noise condition (ENC, additional noise?)
  - Calibrate electronics response per channel and correct in sigproc
  - Recalculate field response with wire bias & validate w/ cosmic-ray tracks