BNL / DUNE Computing Opportunities

- Wire-Cell Toolkit (developed by EDG)
  - LArTPC sim, signal processing, 3D imaging, reco, visualization, etc.
    - → Not yet the full needed pipeline, but what we have is best.
  - Designed from start to be multi-thread friendly.
  - High quality, modular, portable, modern C++ code.
  - Just starting down HPC/GPU path, ripe for CSI involvement.
- Conditions DB (synergy with BelleII)
  - DUNE needs stronger leadership here, BNL has the expertise.
- Rucio file management (synergy with many)
  - FNAL pursuing Rucio, BNL has "most expertise outside CERN"
- Panda WMS (synergy with ATLAS)
  - Deep experience at BNL, faces competition with FNAL's system, and also DIRAC?
- Computing infrastructure (synergy with RACF/SDCC)
  - DUNE $\ll$ ATLAS, SDCC could be a big player with modest investment.
- Possible DUNE "virtual host lab" / analysis center?