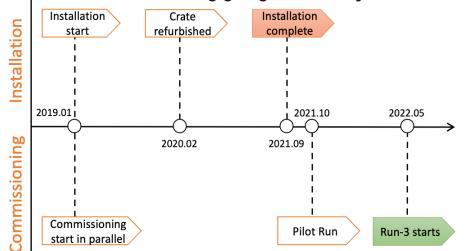
## ATLAS LAr Calorimeter Commissioning for LHC Run-3

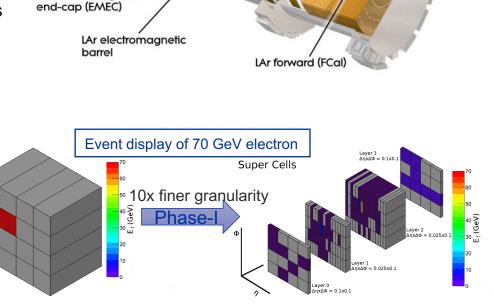
- The ATLAS Liquid Argon (LAr) Calorimeter
  - LAr calorimeter provides input of Level-1 triggers and precise measurement of e,  $\gamma$ , jets and missing  $E_T$ .
- Phase-I upgrade program for the upcoming LHC Run-3 operation
  - Trigger path upgrade a new finer granularity scheme called "Super Cells"
  - Improves efficiency on EM objects with suppressing jets and pileup contributions under Run-3 high luminosity of  $\mathcal{L} = 3 \times 10^{34} \text{ cm}^2 \text{s}^{-1}$ ,  $\sqrt{s} = 13.6 \text{ TeV}$ .

Tingyu Zhang

ICEPP, the University of Tokyo

- Calibration runs and pilot runs to validate new readout system.
- Installation & commissioning going well, ready for Run-3 data taking! ✓













LAr hadronic end-cap (HEC)

**Trigger Towers** 

 $\Delta \eta x \Delta \Phi = 0.1 x 0.1$ 

LAr electromagnetic