

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 , γ , 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 $\mathcal{L} = 3 \times 10^{34} \text{ cm}^2 \text{ s}^{-1}$, $\sqrt{s} = 13.6 \text{ TeV}$.
- Calibration runs and pilot runs to validate new readout system.
- Installation & commissioning going well, **ready for Run-3 data taking!** ✓

