Effect of eta on Convergence Behaviour of FAPL Synthetic Cifar10 Mnist 1e8 1e6 1e10 \rightarrow FAPL: $\eta = 1e-06$ → FAPL: $\eta = 2e-08$ \rightarrow FAPL: $\eta = 1e-06$ 3.0 -**→** FAPL: $\eta = 1e-07$ → FAPL: η = 1e-07**→** FAPL: η = 2e-09 **FAPL**: $\eta = 1e-08$ FAPL: $\eta = 1e-08$ **FAPL**: $\eta = 2e-10$ 4 8 -2.5 Global reconstruction loss ν ω 6 2.0 1.5 1.0 0.5 0 0.0 30 10 30 40 50 10 20 40 50 20 60 80 100 40 Global rounds Global rounds Global rounds