[Secure Multi-Party Computation] Test Loss – Federated Prox,  $\mu$ =0.001 (One Client Dropped) -- Centralized FedProx Plain ( $\mu = 0.001$ ) 3.5 Share Noise = 0.001 $\longrightarrow$  Share Noise = 0.01  $\rightarrow$  Share Noise = 0.1 3.0 2.5 Test Loss 2.0 1.5 1.0 0.5 9 10 Communication Round / Epochs