



SignSGD Lévy

SignSGD normal noise

SignSGD no noise

$(10, n^{-1.1})$ -DP-SignSGD no noise

$(10, n^{-1.1})$ -DP-SignSGD normal noise

$(10, n^{-1.1})$ -DP-SignSGD Lévy

$(10, n^{-1.1})$ -DP-SGD no noise

$(10, n^{-1.1})$ -DP-SGD normal noise

$(10, n^{-1.1})$ -DP-SGD Lévy