Cumulative evolution of validation RMSE_MN during training on 5-fold set 4×10^3 3×10^3 Experiment MSE+PINN PINN 2×10^3 MSE rmse_MN Size **—** 80 160 400 800 **—** 1600 8000 10³ -16000 **—** 40000 80000 50 25 7₅ 100 125 200 0 150 175

epoch