Parameters evolution at epoch 20 True speed normal x True speed normal y 0.005 0.005 -Predicted speed\_normal\_y Predicted speed\_normal\_x 0.000 0.000 20 60 80 20 60 80 40 100 40 100 0.002 -0.002 -True speed x True speed y Predicted speed x Predicted speed\_y 0.000 0.000 20 40 60 80 20 40 60 80 100 100 0.5 0.1 True Mean\_mu\_x True Mean mu y Predicted Mean mu x Predicted Mean mu y 0.0 0.0 20 40 60 80 20 60 80 100 40 100 True log(std mu x) True log(std mu y) 0

