## Parameters evolution at epoch 10 True speed normal x True speed normal y 0.001 Predicted speed normal x Predicted speed\_normal\_y 0.001 0.000 0.000 20 60 80 20 40 60 80 40 100 100 0.0005 True speed x True speed y Predicted speed x Predicted speed v 0.0005 -0.0000 0.0000 20 40 60 80 100 20 40 60 80 100 True Mean mu x True Mean mu y Predicted Mean mu x Predicted Mean mu y -120 60 80 100 20 40 60 80 40 100 True log(std\_mu\_y) True log(std mu x) Predicted log(std mu x) Predicted log(std mu y) -1-1

100

20

40

60

80

100

20

40

60

80