

correlation time between 0.1 and 0.2

- $N_p=400$ ,  $tc(0.1,0.2)=0.221$
- $N_p=600$ ,  $tc(0.1,0.2)=0.190$
- $N_p=800$ ,  $tc(0.1,0.2)=0.214$
- $N_p=1000$ ,  $tc(0.1,0.2)=0.500$

0.221  
0.214  
0.190

400

600

800

1000

number of particles

