Particle pdf in x-direction at time step 25 True x-position at step 25 SIR PF 0.25 Adaptive SIR PF **Bootstrap Filter** SIS PF 0.20 Weights 0.15 0.10 0.05 0.00 -2.50-2.25-2.00-1.75-1.50-1.25-1.00-0.75Samples