Density profiles at final time for different drift velocities $u_d = 0.0$ 0.215 $u_d = 5.0$ $u_d = 10.0$ $u_d = 15.0$ $u_d = 20.0$ 0.210 n(x, t_{final}) 0.200 0.195 $x_0 = 5.0$ 0.190 -2 6 8 10 Χ