Particle drift speed vs sucrose concentration 7.2 0.89 Linear fit Exp. data 6.4 0.88 m(cP) 0.87 V_{σ} (nm/s) 0.86 m = 0.0547c + 0.8454.8 $R^2 = 0.998$ 0.85 4.0 0.75 0.15 0.30 0.60 0.45 **C**(wt. %) 3.2 2.4 1.6 0.0 0.3 0.1 0.2 0.4 0.5 0.6 0.7 C(wt. %)