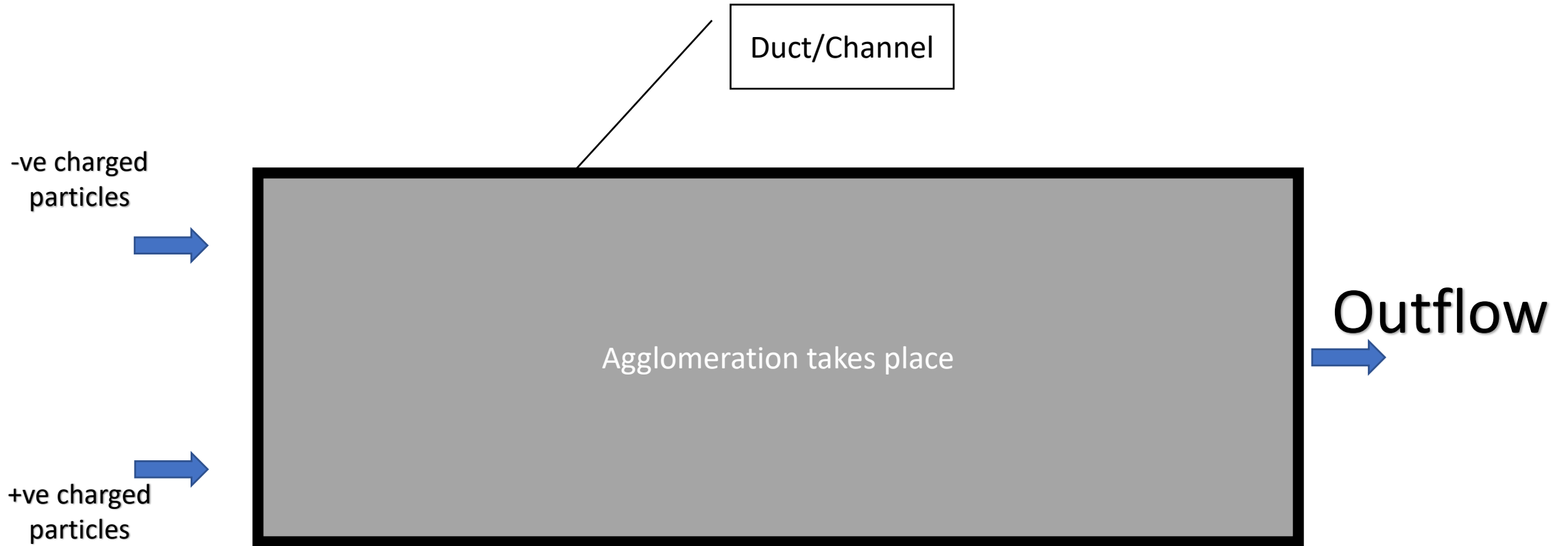
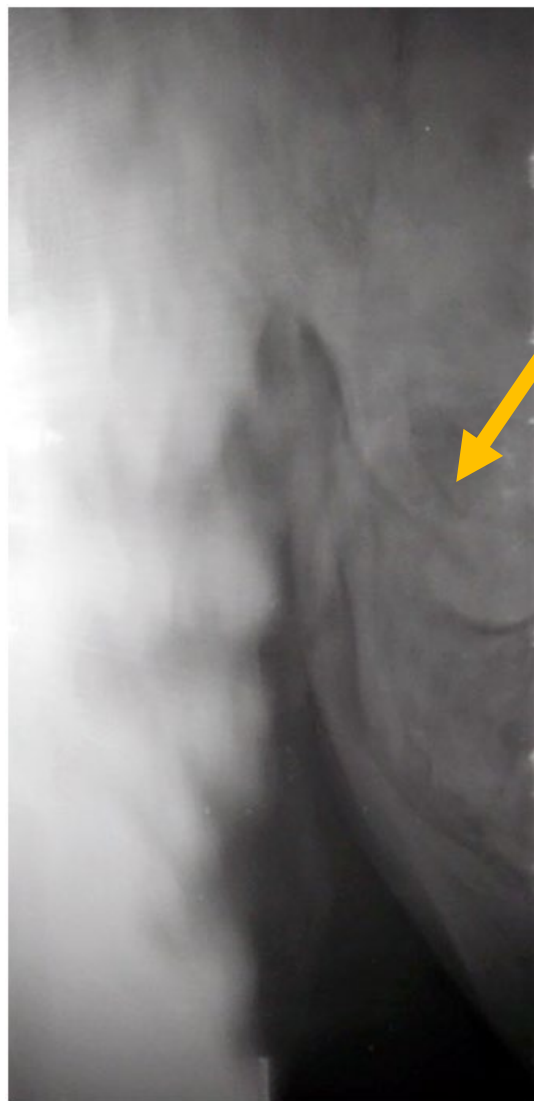


Simple Problem Description



Particle concentration = $3\text{E}+13 \text{ \#/m}^3$

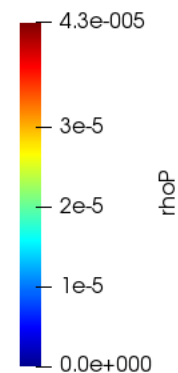
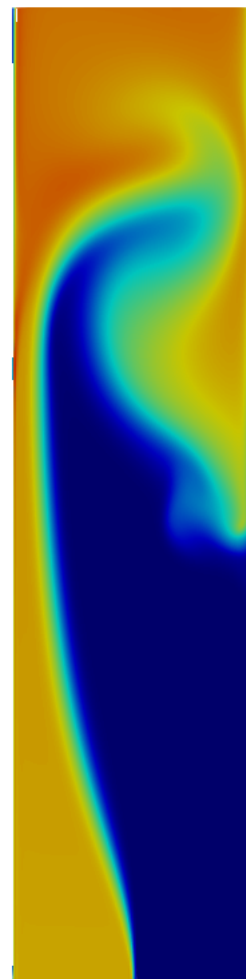
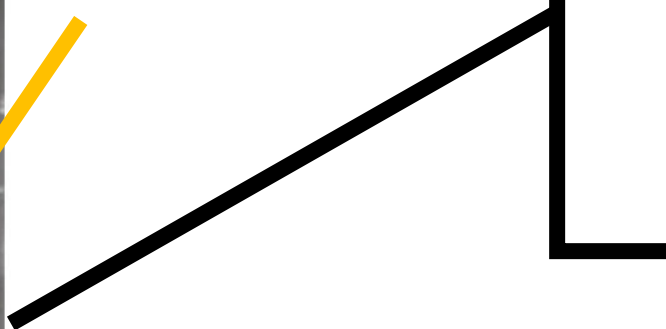
Average charge per particle = 5e-



Back Flow



Flow Dir

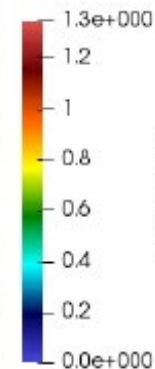


ρP

EHD Foam Solver

Distribution of positively charged particles
– Space charge concentration

Backflow structures as visible in Experiments



U Magnitude



Experimental Data