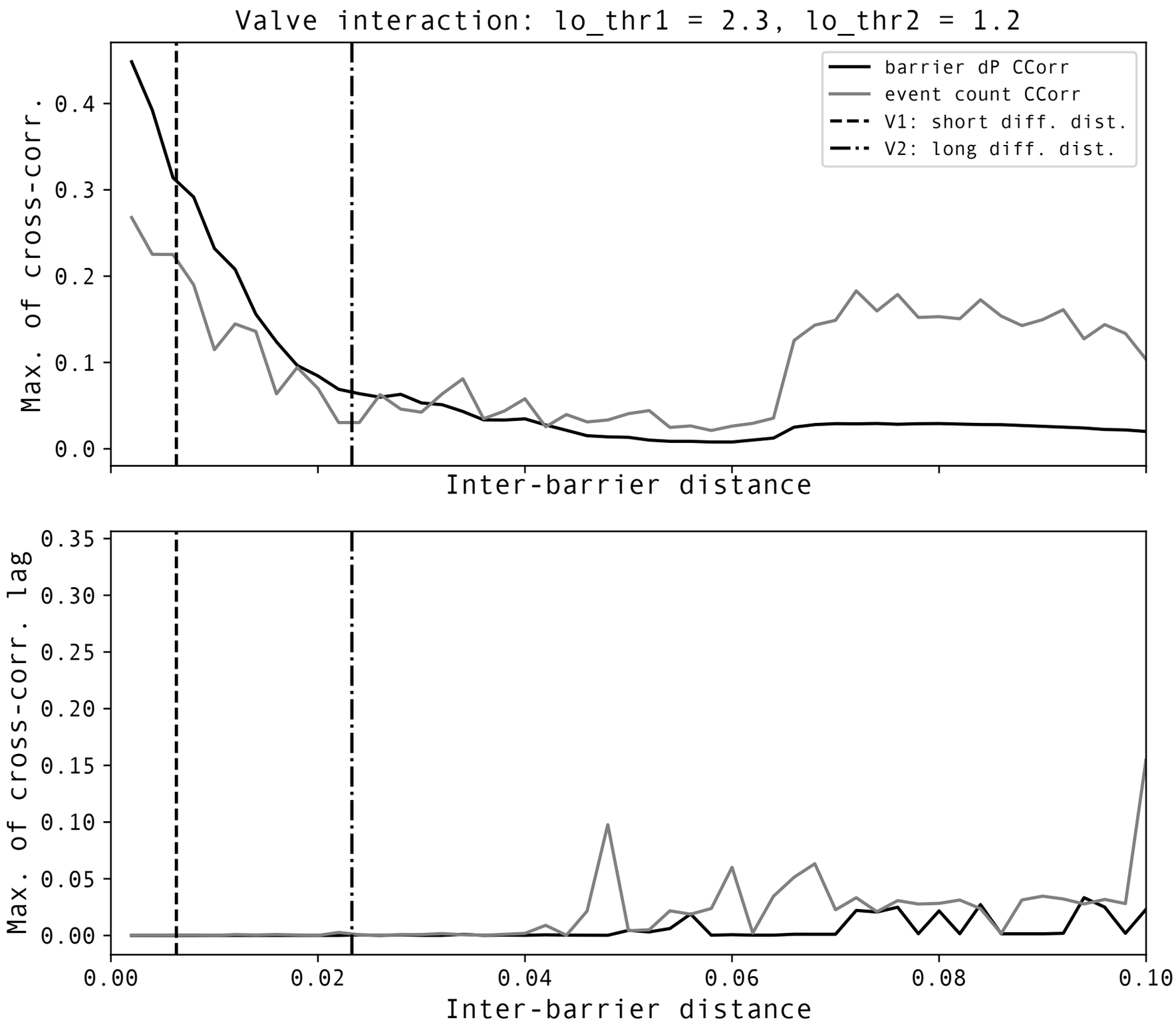
Interactions between 2 valves

Diffusive distance = sqrt(D*T_cycle)



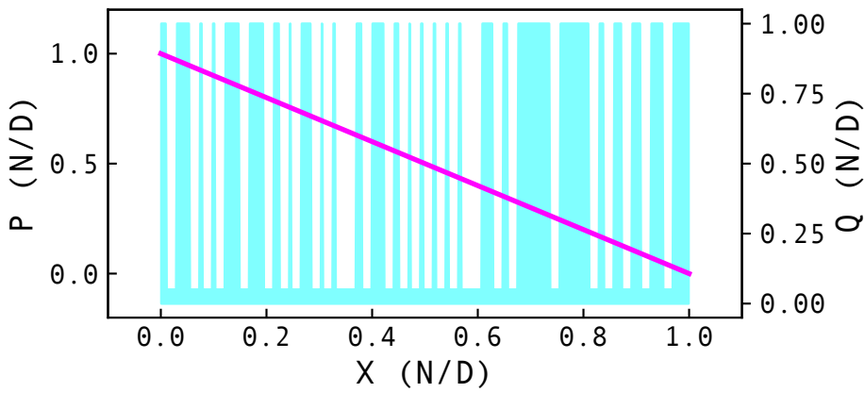
Diffusive distance gives an idea, but imprecise, int. distance must depend on the l/ul dominance.

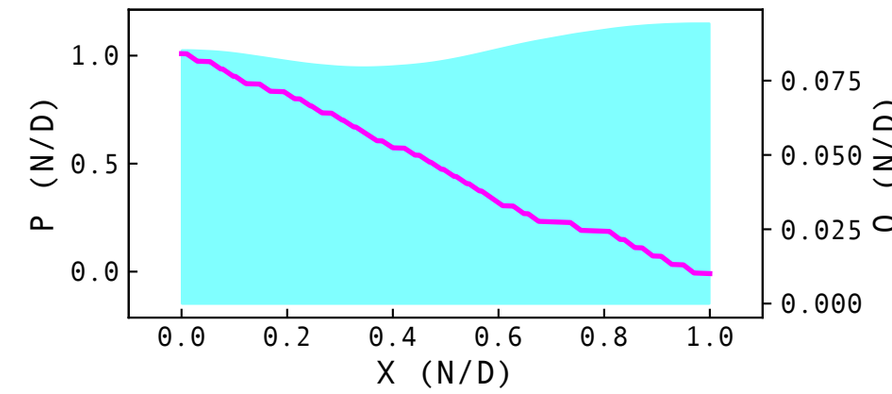
A few artifacts: lags are useless for now, interactions do not seem very consistent with what we observe.

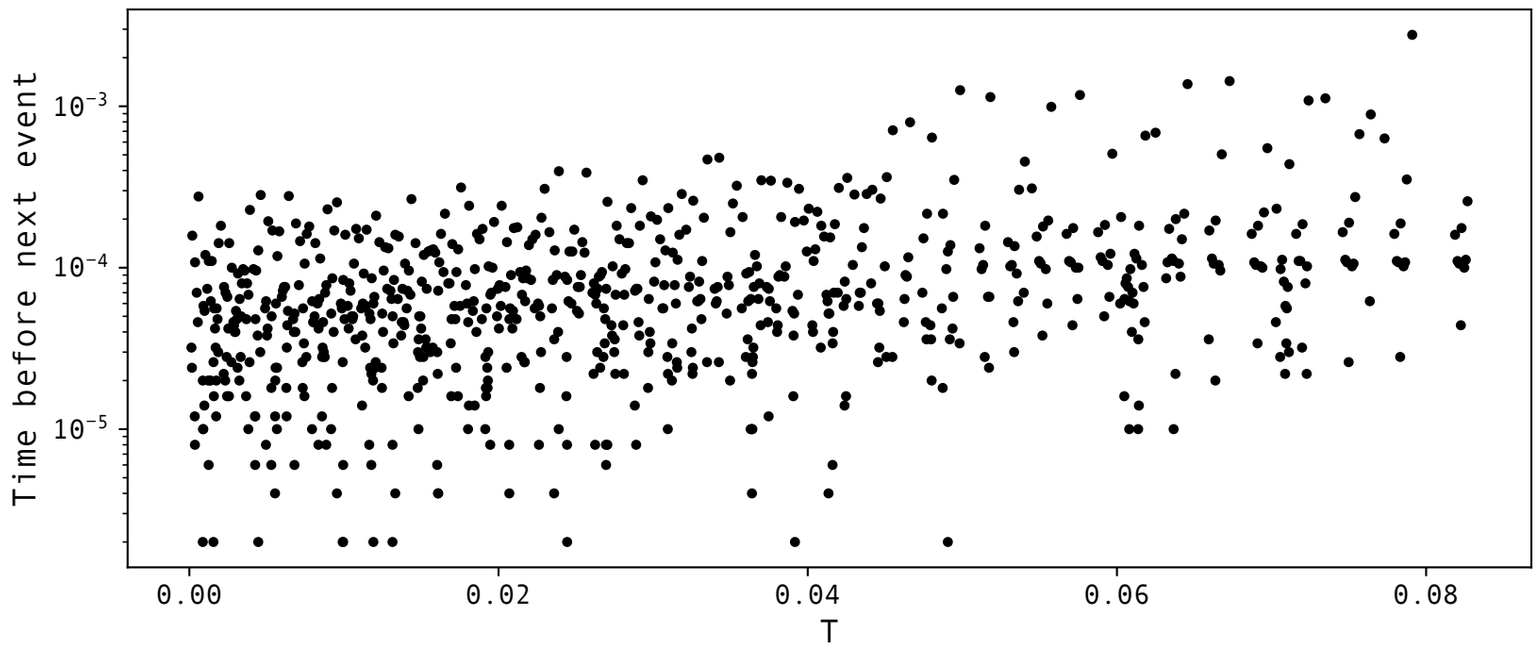
We need to review the measure we use for interactions.

First tests on N valves

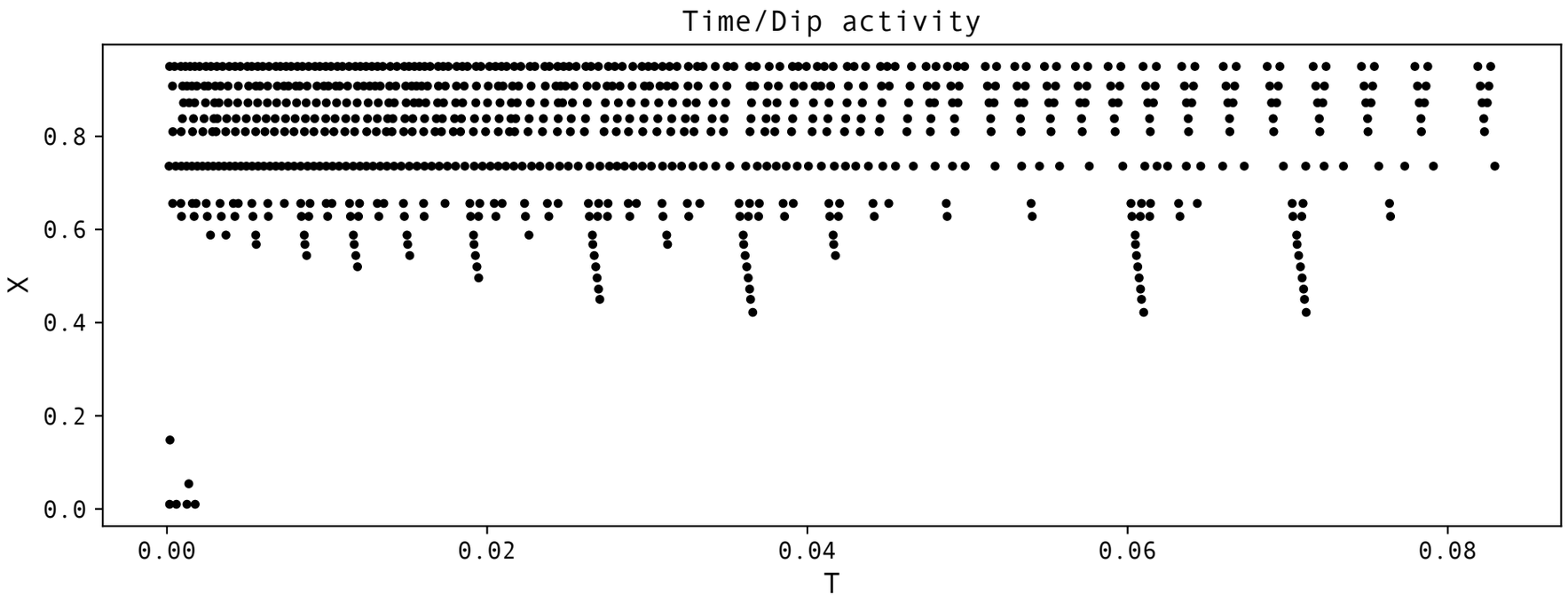
Left, initial state, right final state. In blue, flux value. In pink, pore pressure profile. Valves correspond to the "lows" in the flux at initial state.







This run has a total length of 0.2. We notice that the final state approaches an equilibrium state, and that the activity stopped around T=0.08., after gradually decreasing in frequency.



Here we see cascading events, migrating downdip, but also updip, even if the activity is more constant in the most updip part where the updip migrations happen.

We also notice that the middle part of the domain is not activated at all, even if there are barriers there. They must have reached equilibrium.