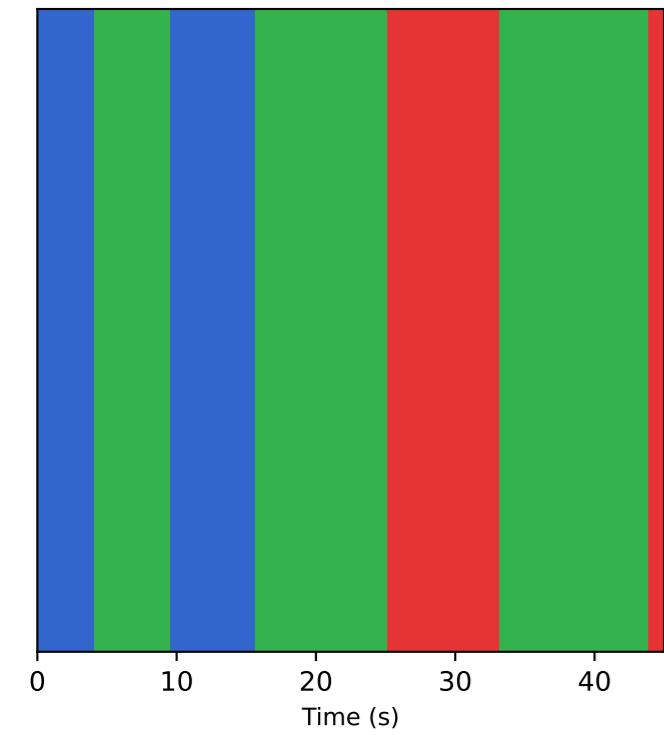
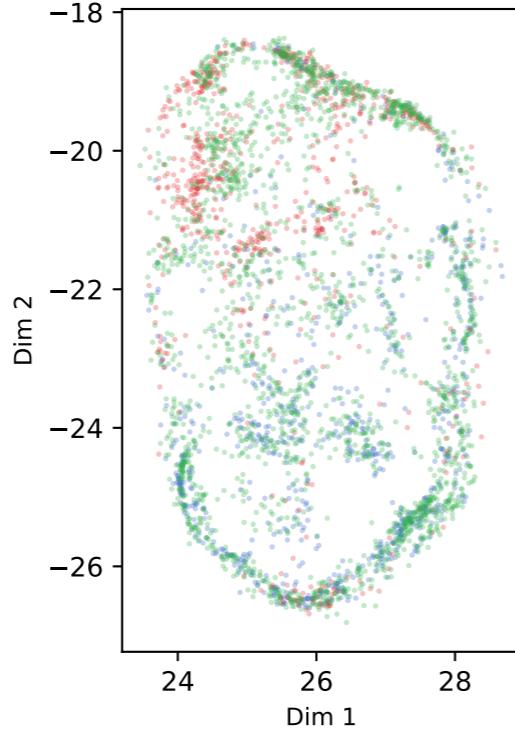


# Simulation Validation: The Dynamical Microscope Recovers Known Structure

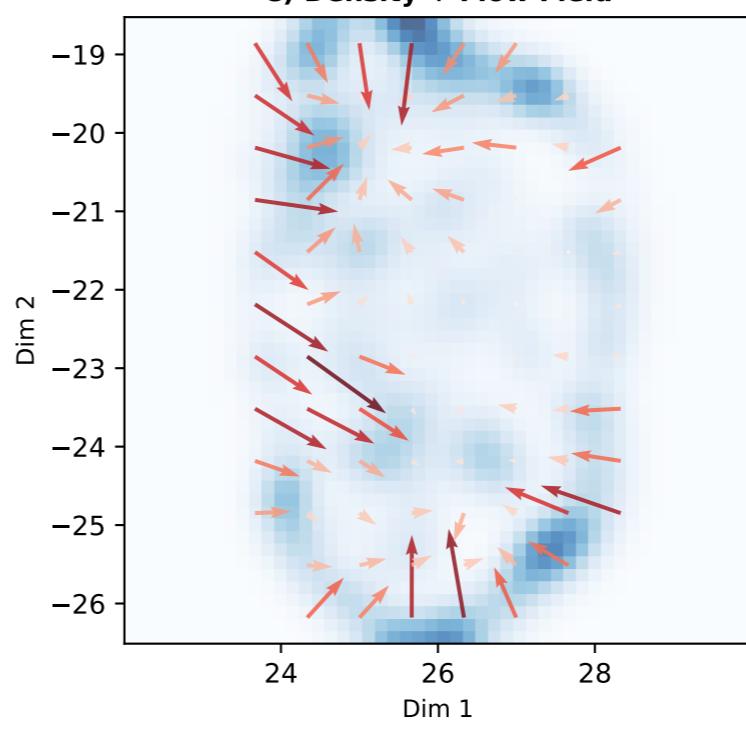
**A) Ground-Truth Regime Sequence**



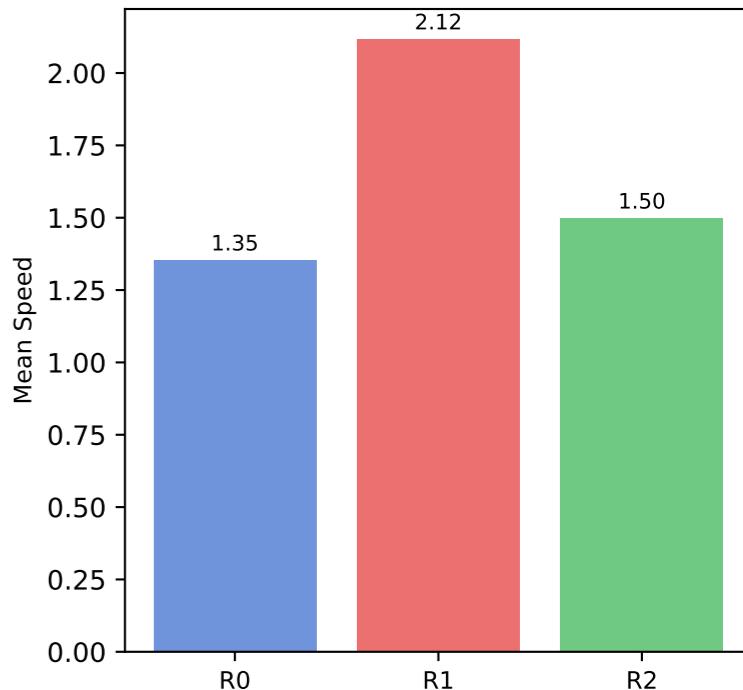
**B) Embedded Trajectories (colored by regime)**



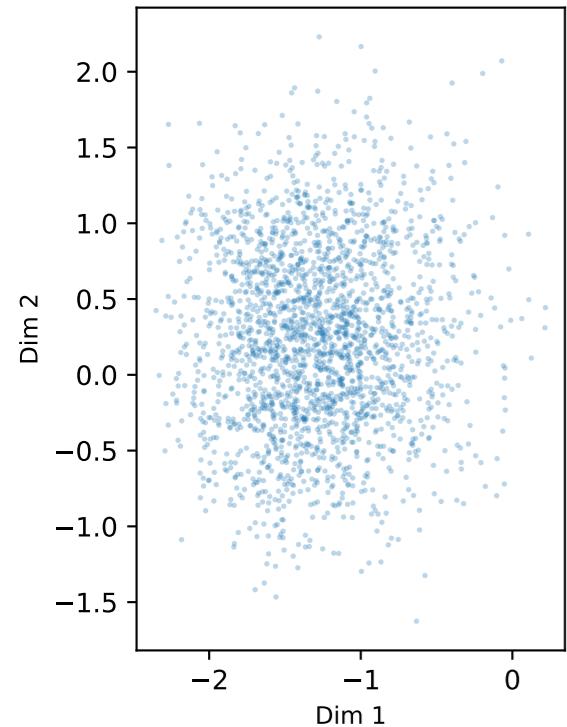
**C) Density + Flow Field**



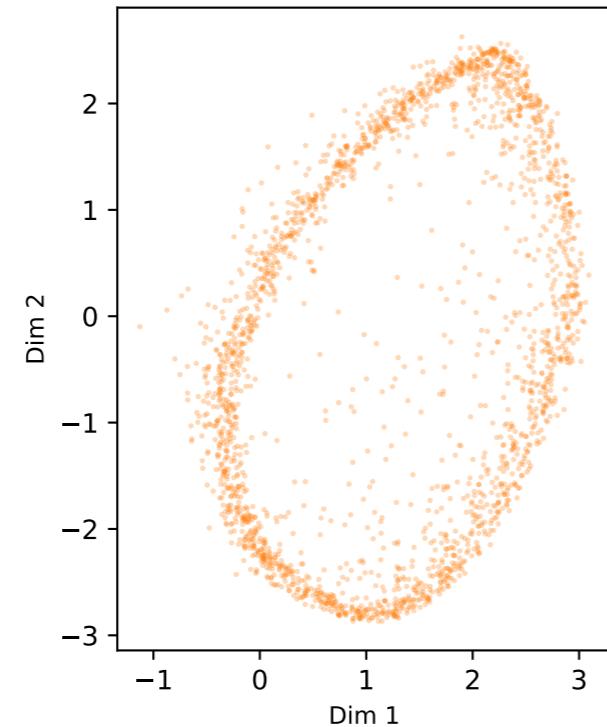
**D) Speed by Regime**



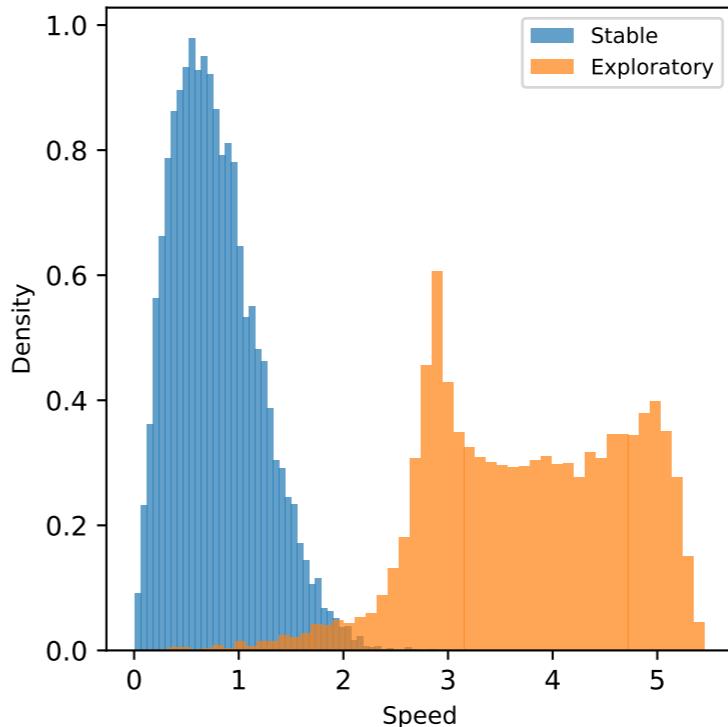
**E) Stable Attractor**



**F) Exploratory Attractor**



**G) Speed Distribution**



**H) State-Space Coverage**

