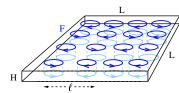
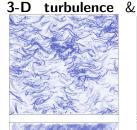
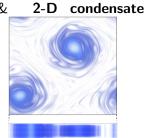
Rare transitions to thin-layer turbulent condensates

Adrian van Kan, Takahiro Nemoto, Alexandros Alexakis

- Direct Numerical Simulations, periodic b.c., spectrally-local forcing at $|\mathbf{k}| = k_f$
- Transition towards inverse cascade below threshold height H_{3D}
- For $H \approx H_{3D}$ bistability between



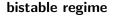


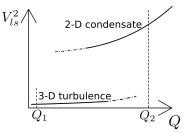




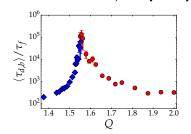


Results: Rare transitions, transition times, double-well

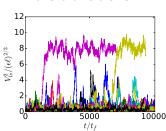




transition times \nearrow superexp.



rare transitions



eff. double-well potential

