Max Block

UC Berkeley

- Physics graduate student
- Emergent phenemona in “coherent” quantum systems
  - Recent experimental advances enable control of dozens or hundreds of coherent quantum dofs (trapped neutral atoms)
  - How does classical physics (e.g. diffusion) emerge?
  - What is the role of measurement and noise?

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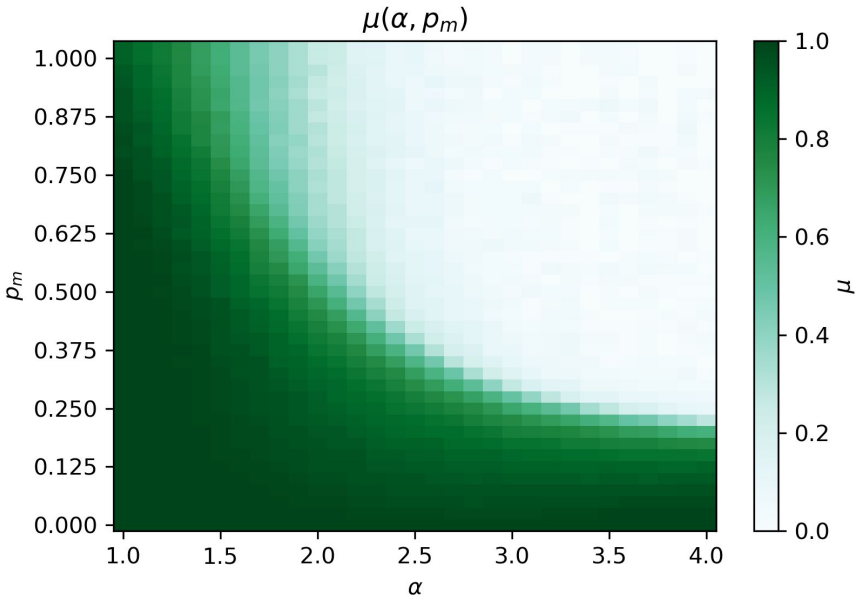
- Very few interesting cases are analytically tractractable
- We numerical models. Example: steady state entanglement entropy controlled by measurement rate

~50k SUs on Berkeley Savio cluster



$S_e \sim L^{\mu}$