

# OPEN-SOURCE TRENDS & CHALLENGES

# TRENDS TOWARDS OPEN SOURCE

- Most highly-cited NR research in the past decade relies on at least one open-source NR-specific code
  - A significant fraction use open-source codes exclusively
- Many codes have moved to become more open:
  - ABE (closed) → IllinoisGRMHD Einstein Toolkit (open source!)
  - SPEC (closed) → SPECTRE (open source!)
- Community pressure & top-down mandates from funding agencies are helping address the under-production problem