

SPEC: HIGHLY ACCURATE GW WAVEFORMS

- Need high accuracy for detection
- Spectral methods: converge to extreme accuracy
- SXS collaboration Caltech
- GWs detected in 2015, hundreds of detections since, using SPEC-produced waveforms



BUT MOST CODES ARE STILL CLOSED-SOURCE

- SPEC is closed source
- ABE, a state of the art code with magnetized matter (GRMHD), is built on the open-source Cactus framework—but is not openly released!
- Field suffers from classic “under-production of public goods” problem