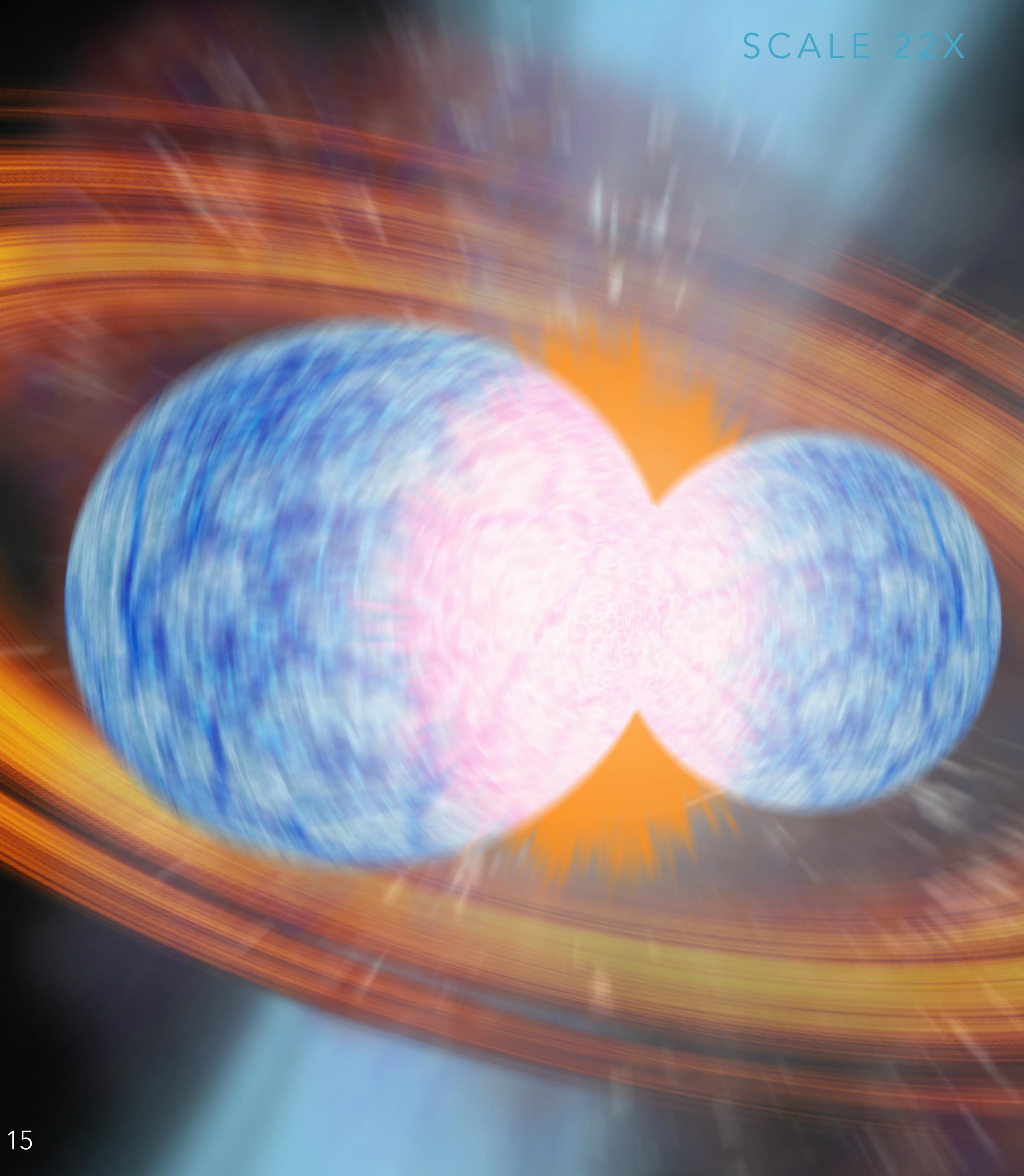


NEUTRON STARS

- Left-over cores of massive, exploded stars
- Mass of several suns, radius of just over 10km
- Extremely dense degenerate nuclear matter
(topic of active research)
- Spinning neutron stars, pulsars, most accurate clocks in the universe



NEUTRON STARS NUMERICAL RELATIVITY

- Dynamics of formation & stability
- Effects of different matter theories (“Equations of state”)
- Outcomes of binary neutron star mergers, neutron star - black hole mergers