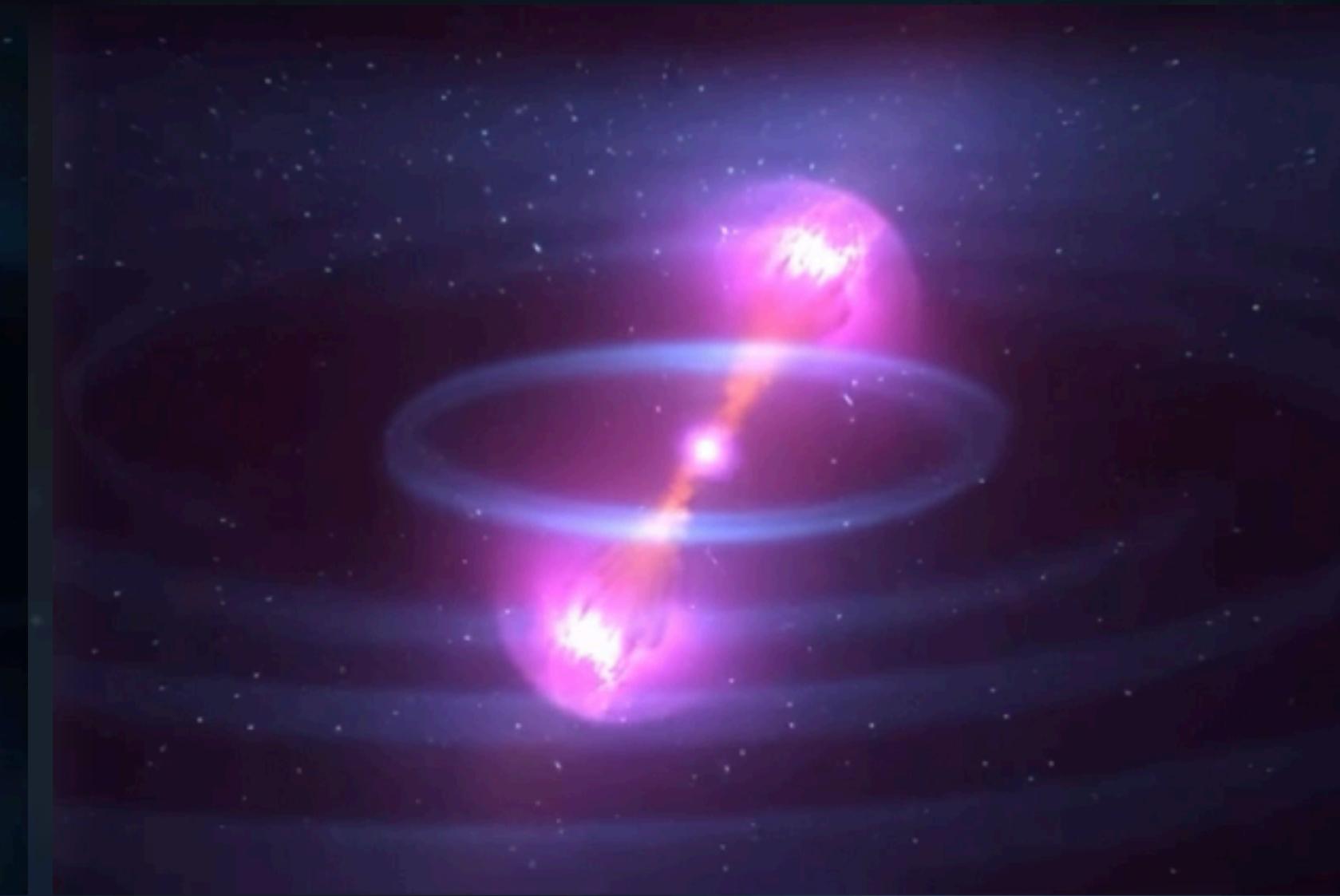
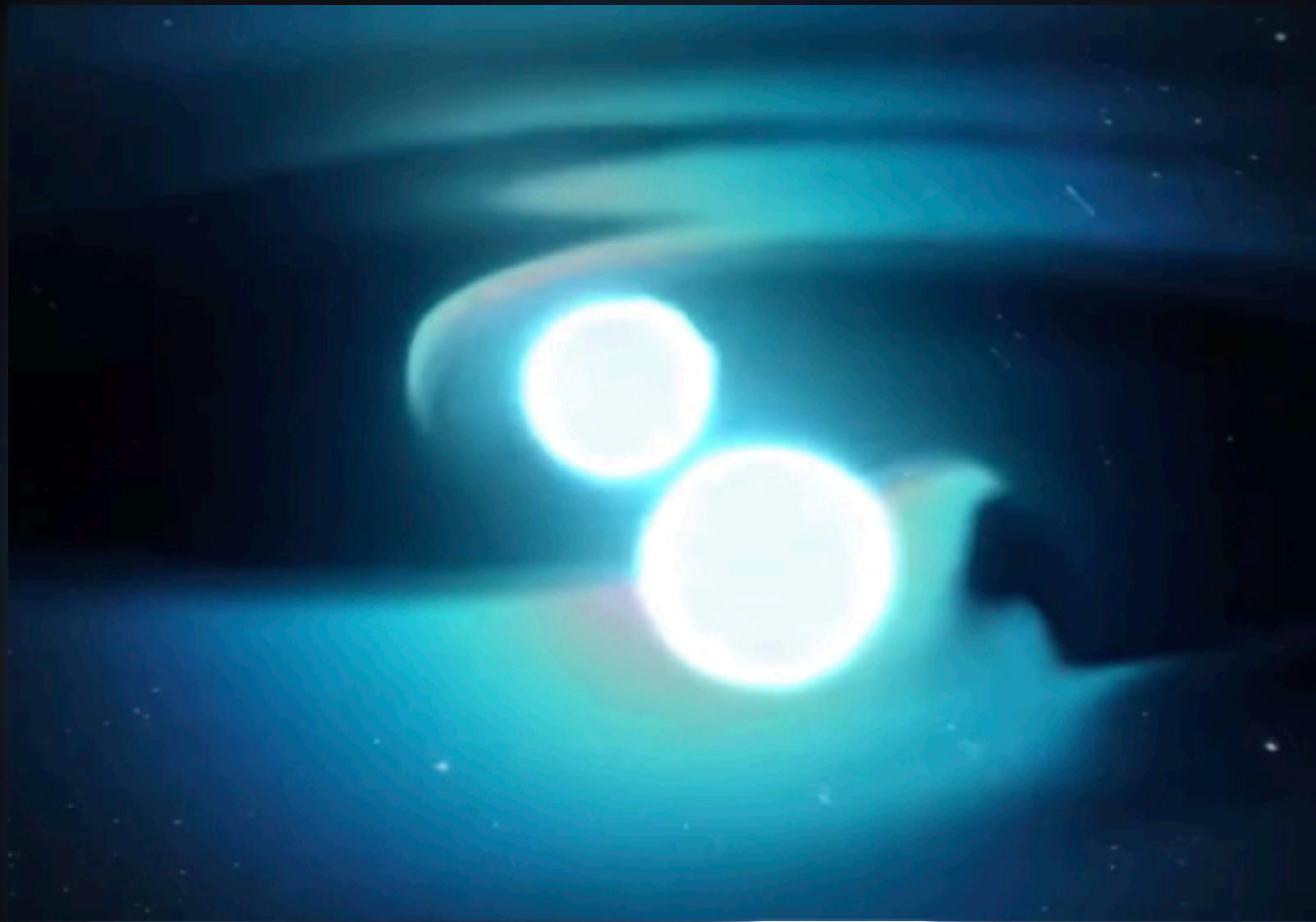


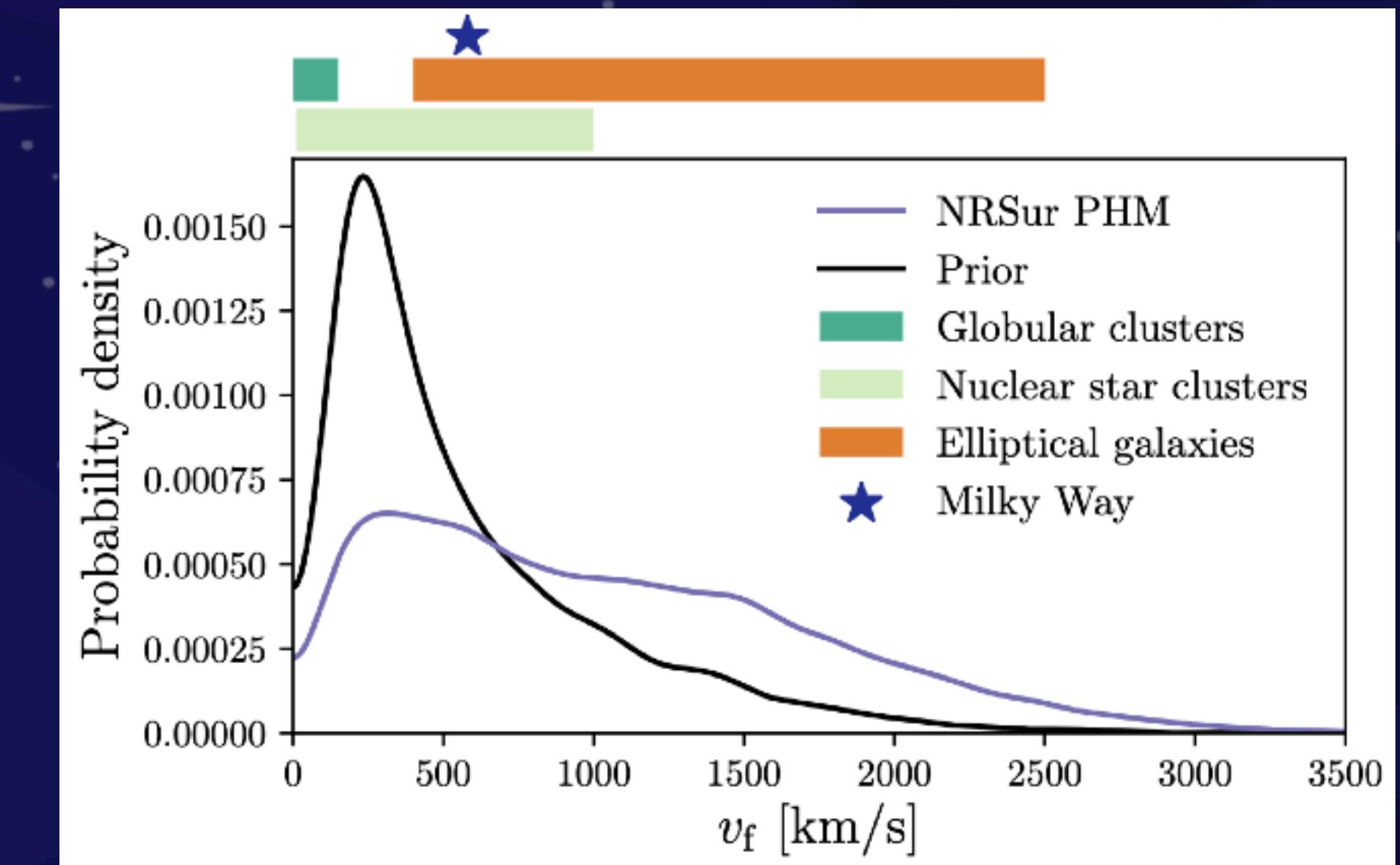
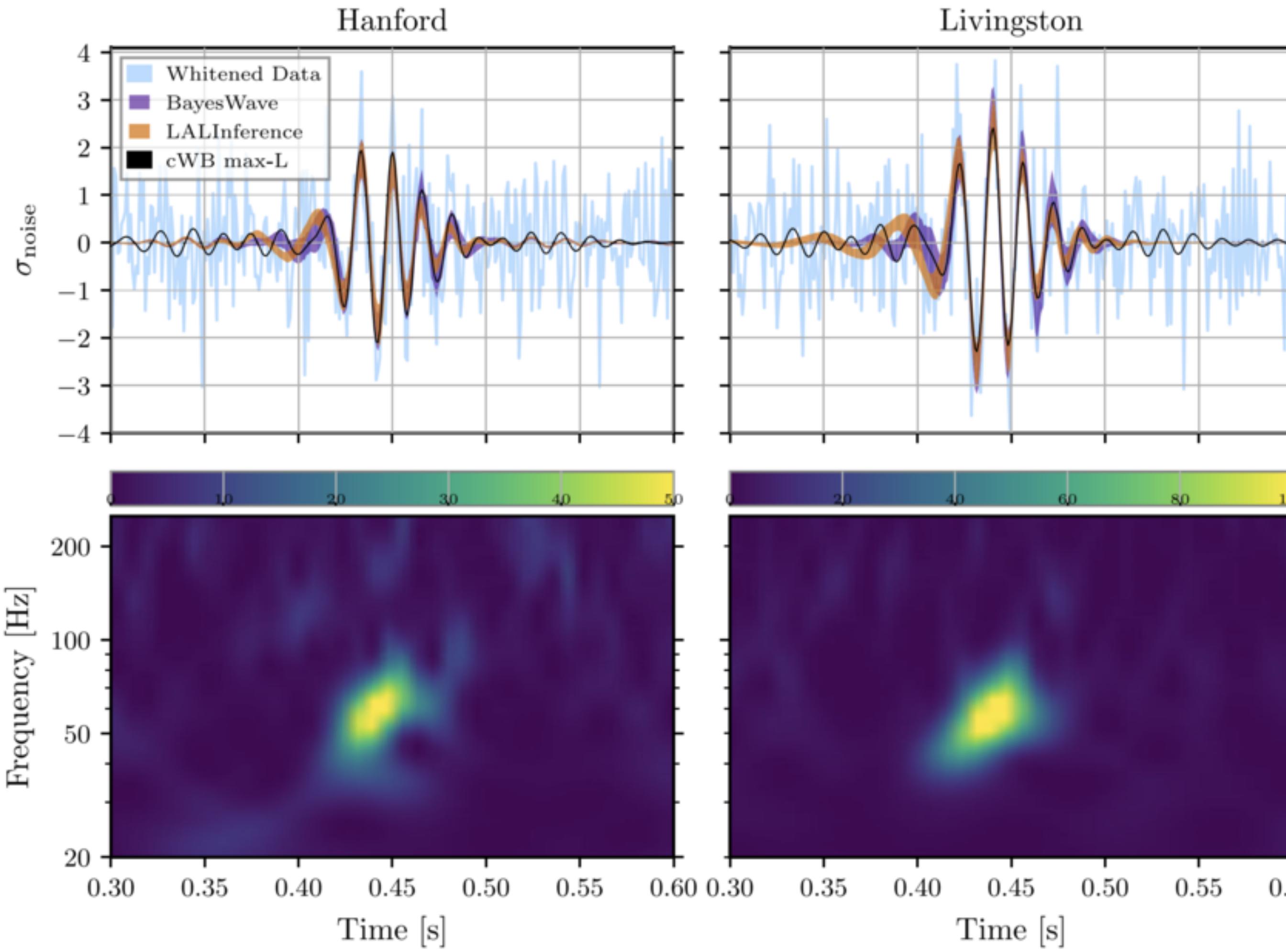


GW170817: GW + EM Counterpart



- Heaviest BNS at the time
 - *Good for EOS*
- Kilonova
 - *Heavy element production*
- Test of GR
- “Standard Siren”
 - H_0 measurement

GW190521: First IMBH – primary in PPISN



- IMBH remnant
 - 142 *solar masses*
- Primary BH in PPISN
 - 66 *solar masses*
- Origin story?
 - Field? 2nd gen?
- What even is it?
 - Eccentric? Precessing? Boson star?