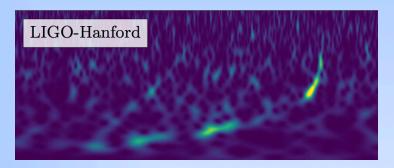
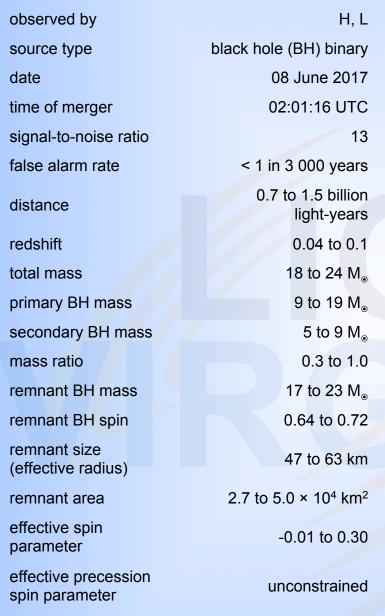
GW170608 FACTSHEET





Images: time-frequency traces (top),
mass distributions (bottom right)

GW=gravitational wave, M₀=1 solar mass=2x10³0 kg,
am=attometer (10⁻¹8 m), H/L=LIGO Hanford/Livingston
Parameter ranges are 90% credible intervals.

†90% credible region

peak GW luminosity

radiated GW energy

 $1.8 \text{ to } 3.9 \times 10^{56} \text{ erg s}^{-1}$

 $0.68 \text{ to } 0.91 \text{ M}_{\odot} c^2$

LIGO-Livingston	
340	

duration from 30 Hz ~ 2 s # of GW cycles from 30 Hz ~ 100 arrived at H ~ 7 signal arrival time delay ms before L HL sky area† ~ 520 deg² peak GW strain (10-22) ~ 4 (H), 3 (L) peak stretch of $\sim \pm 0.8 \text{ am (H)},$ interferometer arm 0.6 am (L) frequency at peak GW strain 453 to 610 Hz wavelength at peak GW strain 492 to 662 km remnant ringdown frequency 745 to 1013 Hz remnant damping time 1.0 to 1.4 ms consistent with general passes all tests relativity? performed

