Some extra material for P1400024

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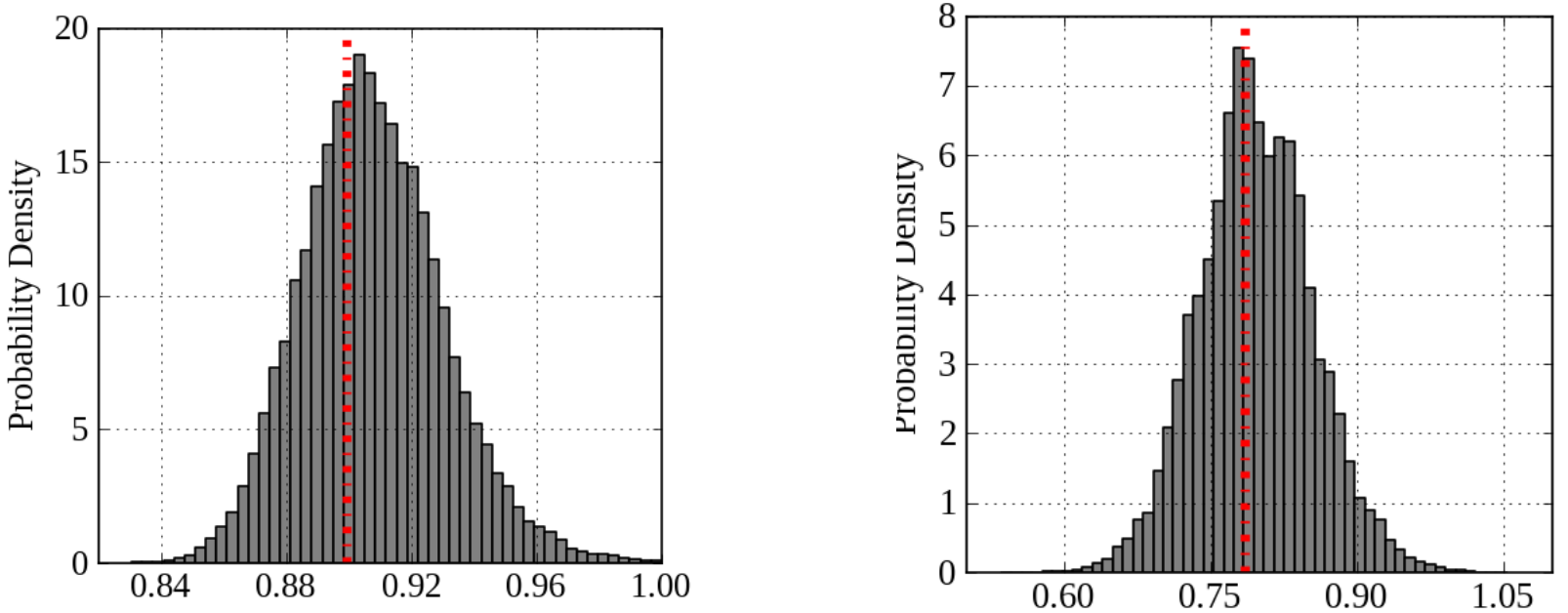
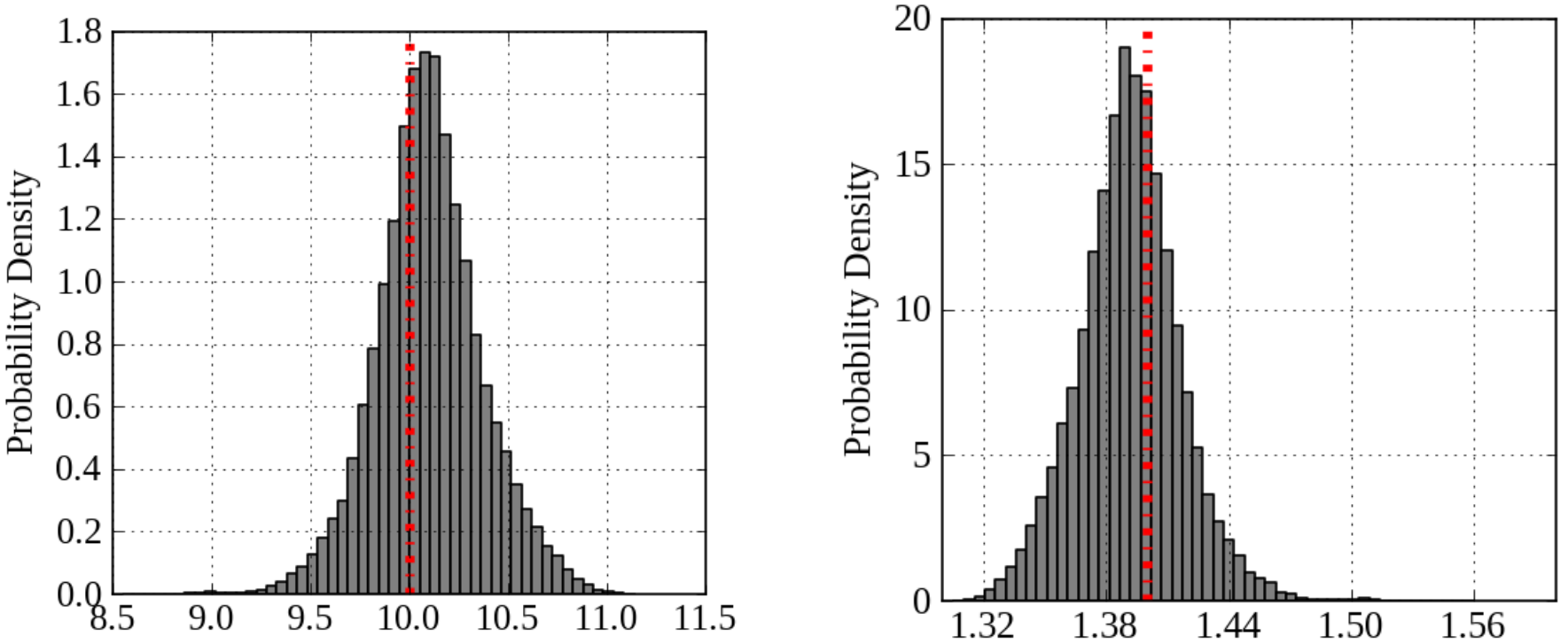
- In the next few slides we show some posterior distributions of the events analyzed in the LIGO document P1400024
- Only simulated data is used
- More info about the context : P1400024

NSBH – SNR 30



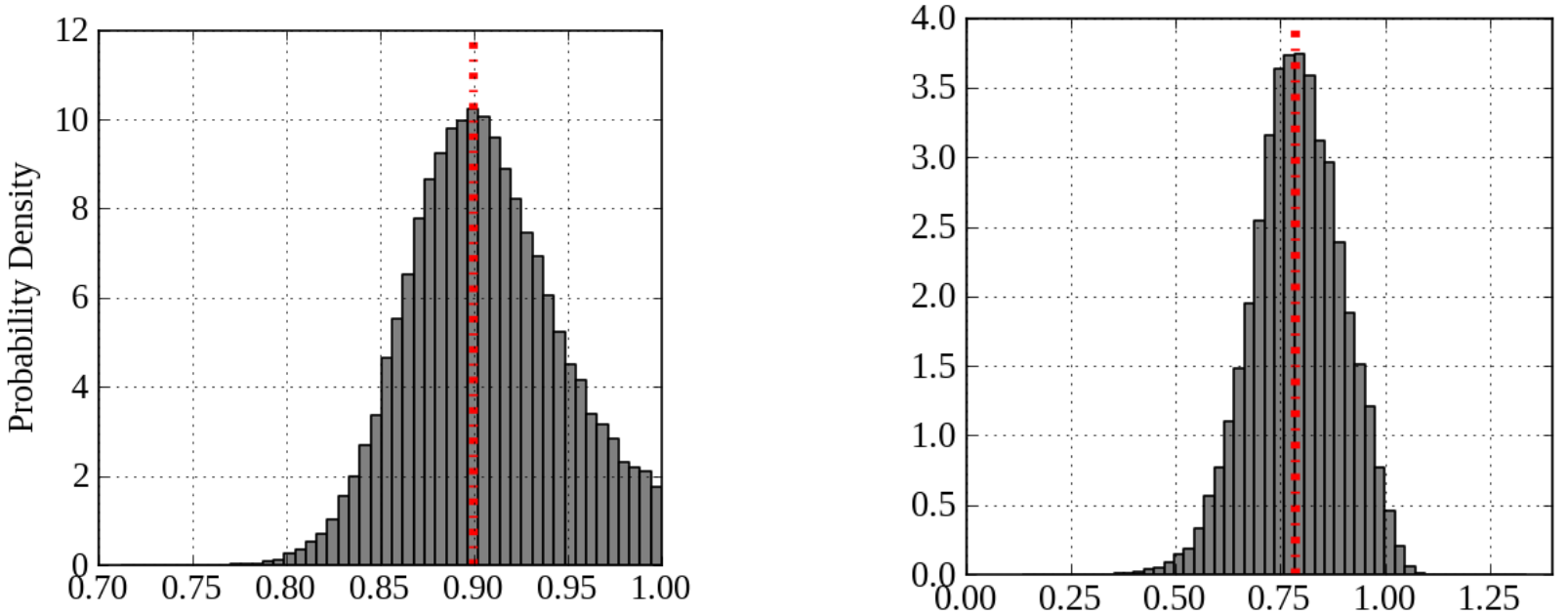
Posterior distributions for the BH spin magnitude (left) and tilt angle (right, radians) for the SNR 30 NSBH with tilt angles, tau1=45 degs , tau2 = 135 degs. Theta_JN is 2 rads. The red vertical line is the true value.

NSBH – SNR 30



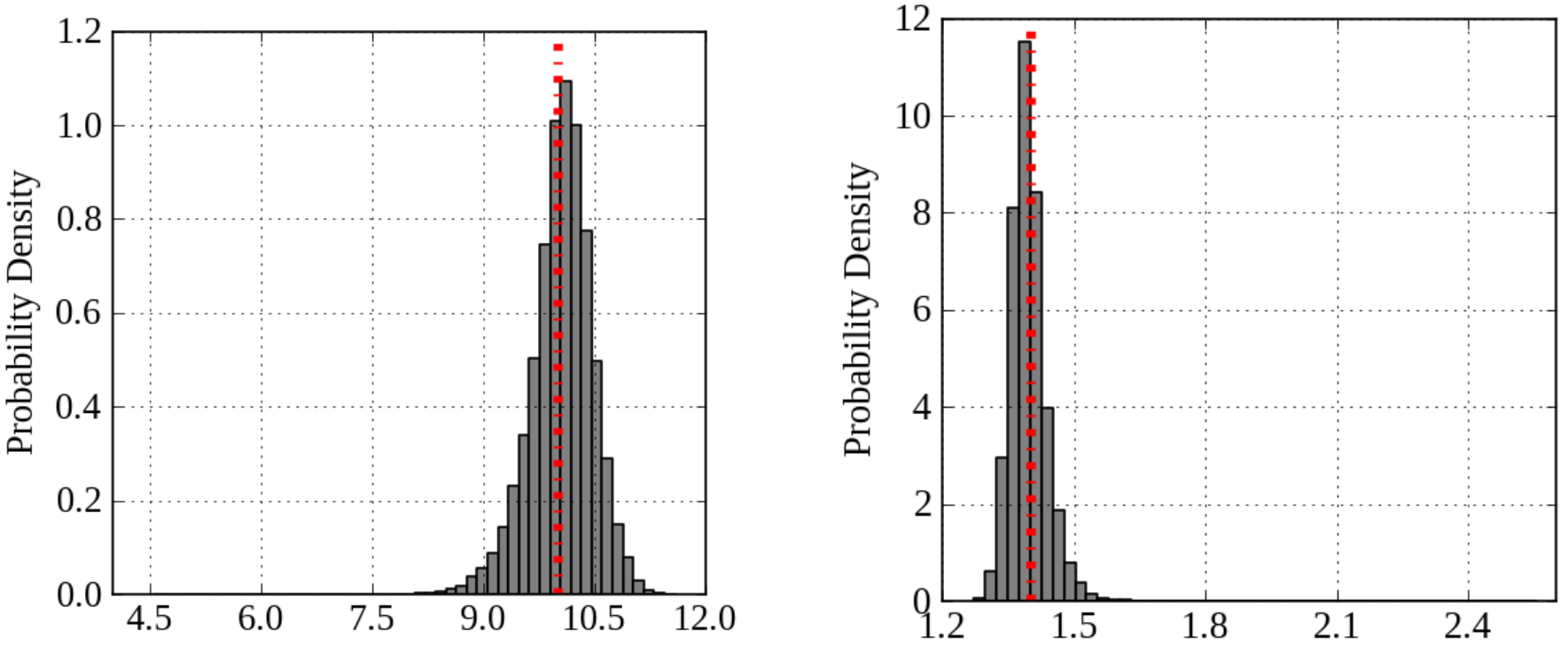
Posterior distributions for the mass1 (left, in solar masses) and mass2 (right, in solar masses) for the SNR 30 NSBH with tilt angles, tau1=45 degs , tau2 = 135 degs. Theta_JN is 2 rads. The red vertical line is the true value.

NSBH – SNR 17



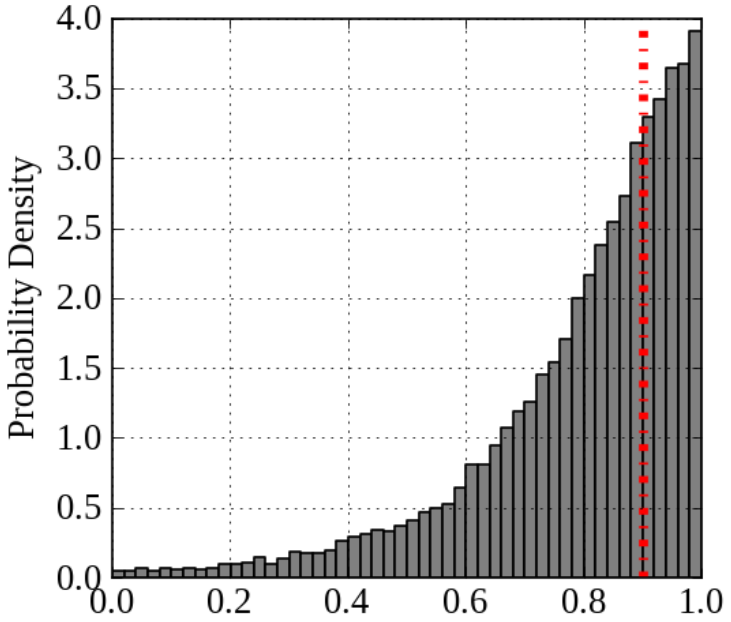
Posterior distributions for the BH spin magnitude (left) and tilt angle (right, radians) for the SNR 17 NSBH with tilt angles, tau1=45 degs , tau2 = 135 degs. Theta_JN is 2 rads. The red vertical line is the true value.

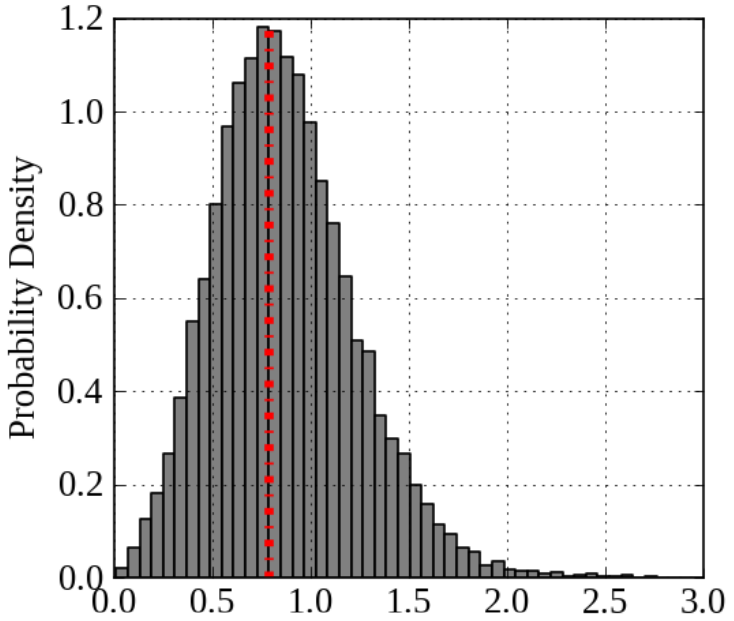
NSBH – SNR 17



Posterior distributions for the mass1 (left, in solar masses) and mass2 (right, in solar masses) for the SNR 17 NSBH with tilt angles, tau1=45 degs , tau2 = 135 degs. Theta_JN is 2 rads. The red vertical line is the true value.

BBH – SNR 12





Posterior distributions for the spin magnitude (left) and tilt angle (right, radians) of the 10Msun BH in a SNR 12 BBH with tilt angles, tau1=45 degs , tau2 = 135 degs. Spin magnitudes are 0.9-0.1. Theta_JN is 1.8 rads. The red vertical line is the true value.