×10^-22
1.5
1
0.5
0
-0.5
-1
-1.5
h(t)
BNS
BBH
0
2000
4000
6000
8000
10000
Time (s)

$10^{-6}$
$10^{-7}$
$10^{-8}$
$10^{-9}$
$\Omega_{GW}$
$10^{1}$
$10^{2}$
$10^{3}$
Frequency (Hz)
O2
O3
Design
Total
Poisson
BNS only
BBH only

SNR
$10^{1}$
$10^{0}$
$10^{-1}$
$10^{-2}$
$10^{-3}$
$5\sigma$
$3\sigma$
$\sigma$
O1
O2
O3
Near Design
Design
total
Poisson
0
10
20
30
40
Observation time (months)