Time to achie	ve Science Objectives CE40+CE20+A <sup>#</sup> CE40+2A <sup>#</sup>	A <sup>#</sup> (HLA)
BHs and NSs Throughout Cosmic Time	Detect 500 BNS mergers at z > 5  Detect 500 BBH mergers at z > 10 ( $\Delta m_1/m_1 < 20\%$ )	Unachievable Unachievable
MMA and Dynamics of Dense Matter	Locate 100 BNS mergers within $\Delta\Omega_{90} < 1{\rm deg}^2$ Constrain Nuclear Equation of State (NS radius $< 10$ m)	
	Map 500 GRBs to progenitors ( $z>2$ ; $\Delta\Omega<100{\rm deg}^2$ )  Detect 10 BNS mergers 300s before merger ( $\Delta\Omega_{90}<10{\rm deg}^2$ )	90 years Unachievable >100 years
New Probes of Extreme Astrophysics	Detect source with postmerger SNR > 5  Detect 50 millisecond pulsars	40 years
Fundamental Physics and Cosmology	Measure $H_0$ to within 0.2%  Detect 10 BBH mergers with SNR > 1000	3600 years 1000 years
Early Universe	Detect Stochastic Background for $\Omega_{\rm GW} < 5 \times 10^{-12}$	40 years
	10   Time [Years]   20	