Time to achie	ve Science Objectives CE40+CE20+A [#] CE40+2A [#]	$\qquad \qquad A^{\sharp} (HLA)$
BHs and NSs Throughout Cosmic Time	Detect 500 BNS mergers for z > 5 Detect 500 BBH mergers for 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) Mapping 500 GRBs to progenitors ($z > 2$; $\Delta\Omega < 100 {\rm deg}^2$) Detect 10 BNS mergers 300s before merger ($\Delta\Omega_{90} < 10 {\rm deg}^2$)	50 years Unachievable >100
New Probes of Extreme Astrophysics	Detect source with postmerger SNR > 5 Detect 50 millisecond pulsars	40 years
Fundamental Physics and Precision Measurement of H_0	Measure H_0 to within 0.2% Detect 10 BBH mergers with SNR > 1000	3600 years 1000 years
Early Universe	Measure Stochastic Background for $\omega_{gw} < 1.3\text{e-}11$	240 years
1 10 20	10 Time [Years] 20	