

Anirban Ain

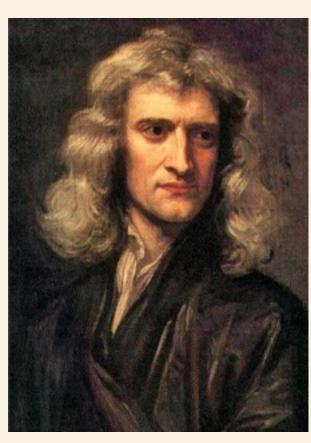




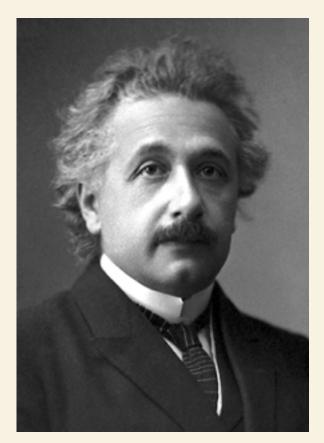




Gravitation vs. Newton & Einstein

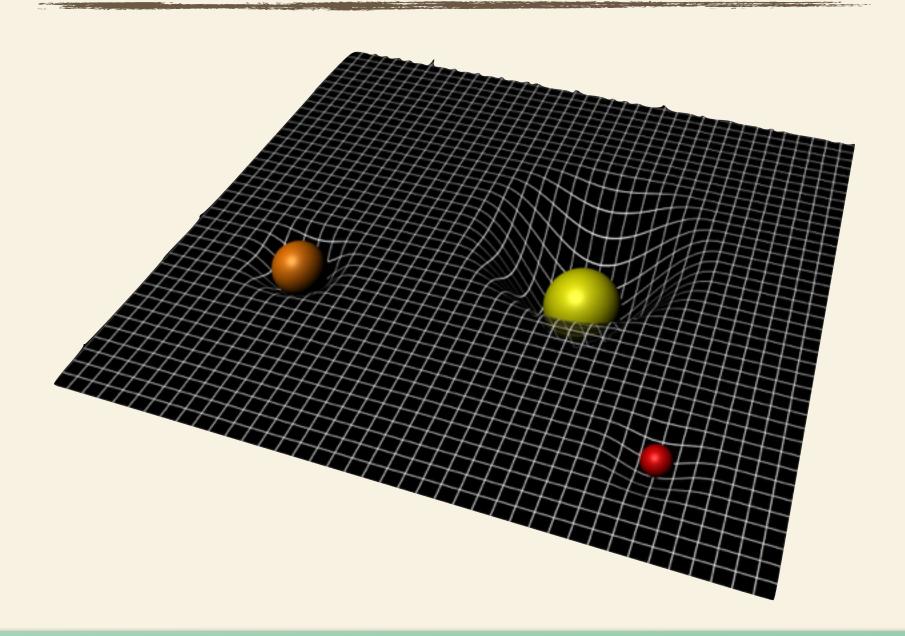


Newton's Law of Universal Gravitation (1687)

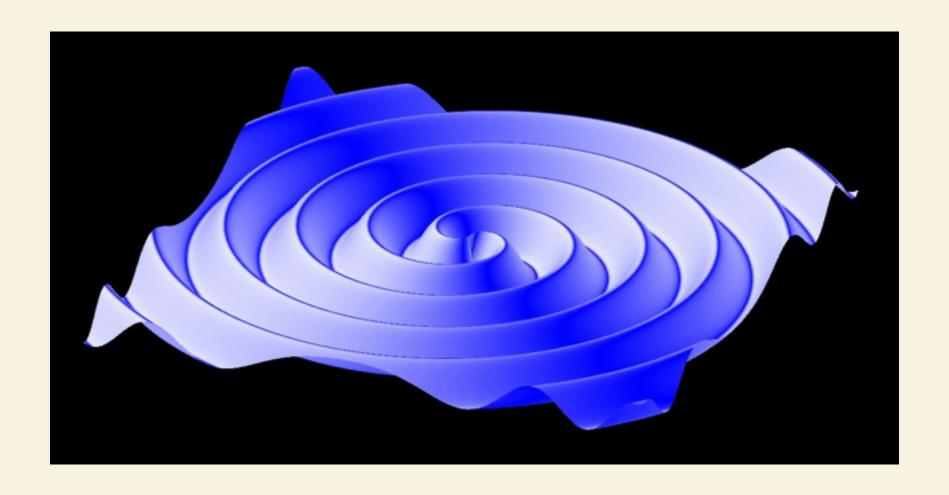


Einstein's General Relativity (1915)

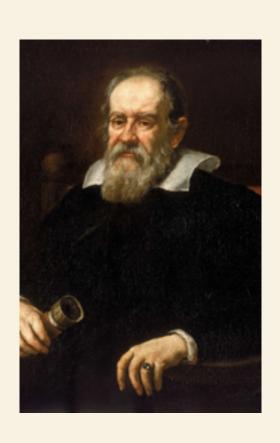
Gravitation as Spacetime Curvature



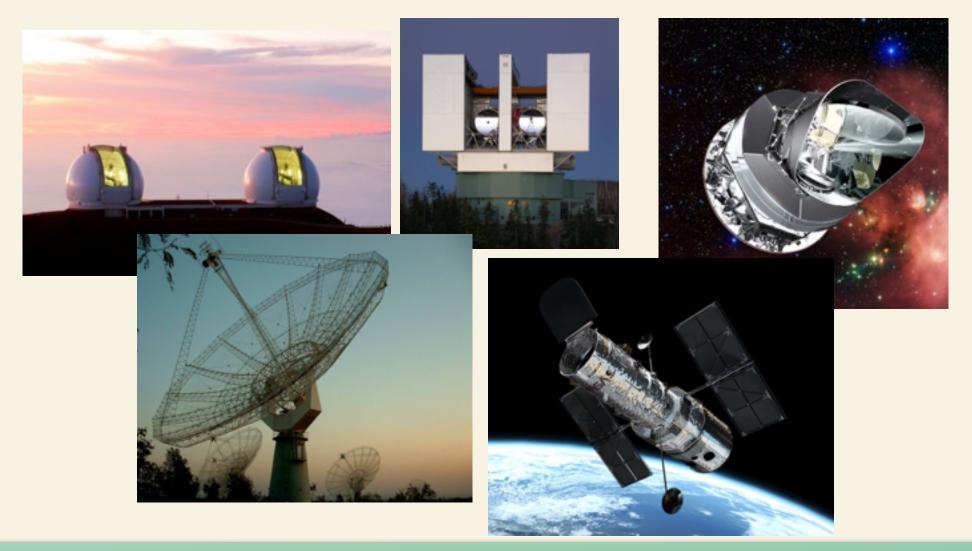
Gravitational Waves







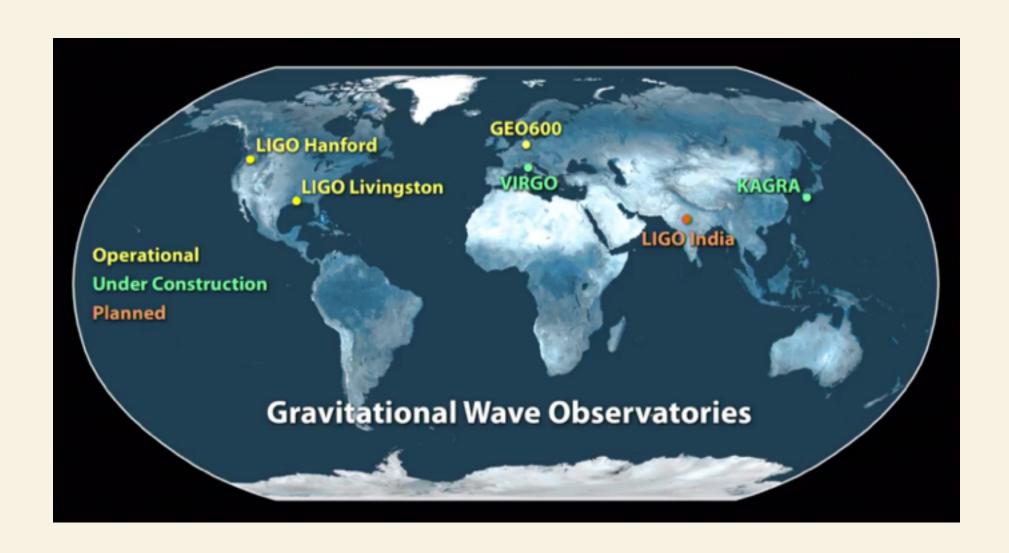






Beginning of Gravitational Wave Astronomy

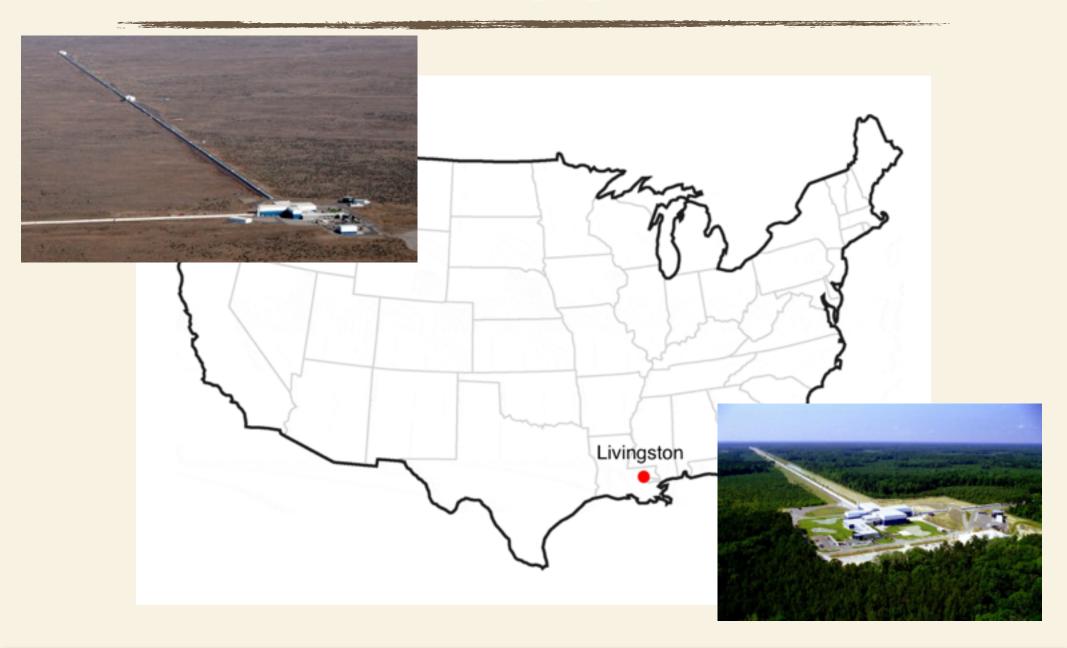
Observatories around the World



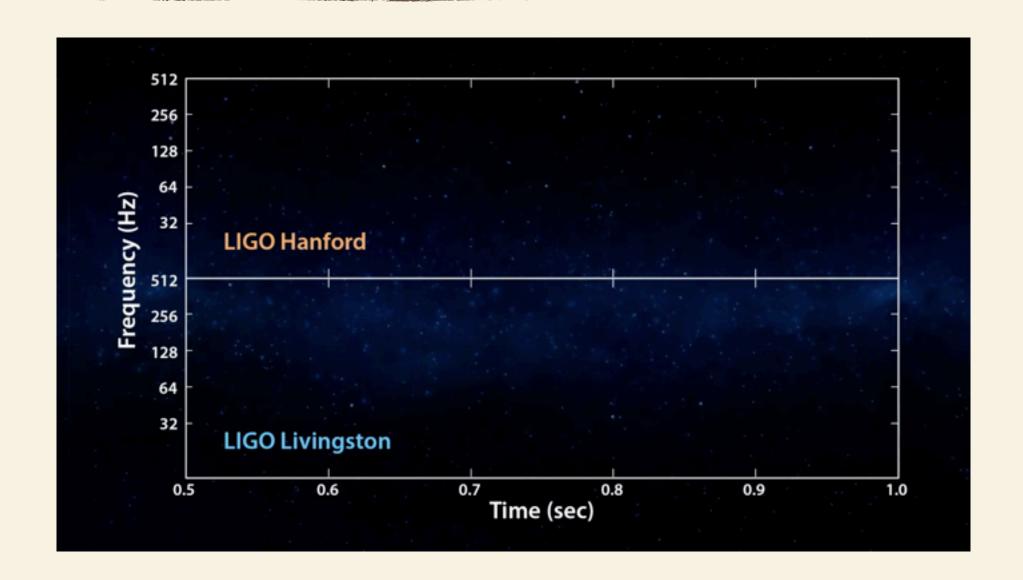
LIGO



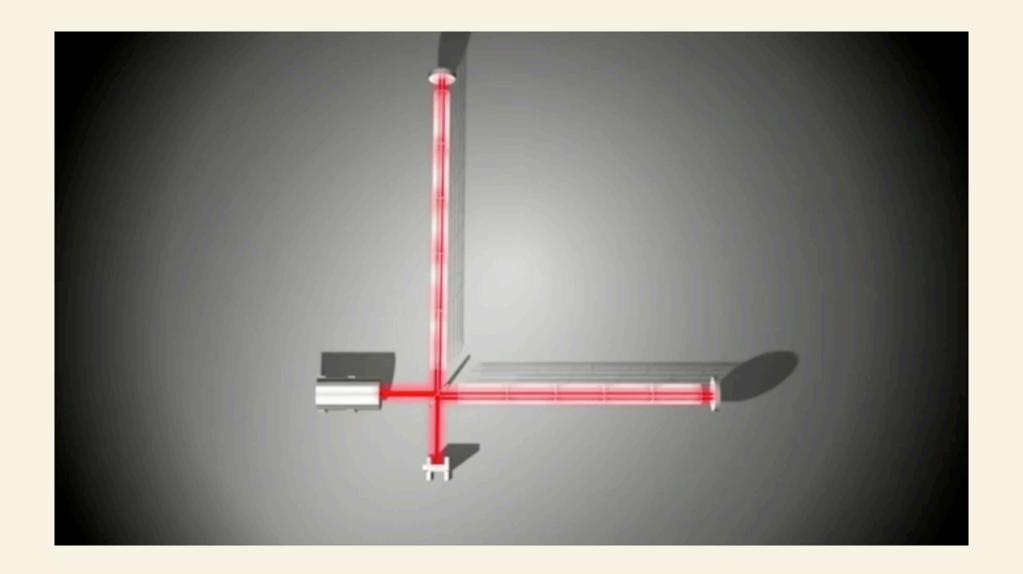
LIGO



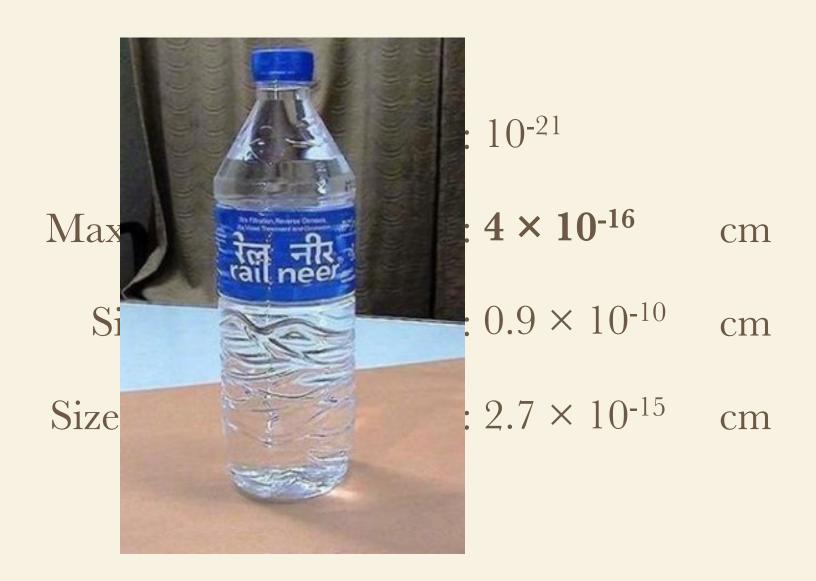
What was Discovered?



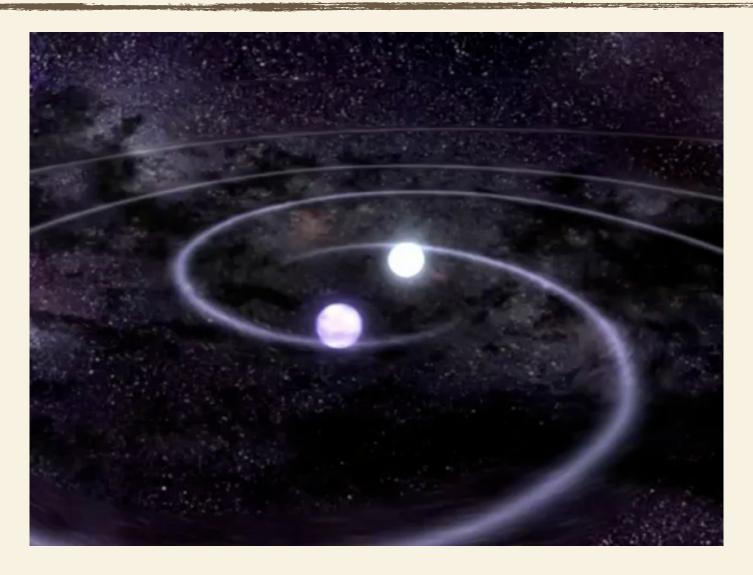
How was it Discovered?



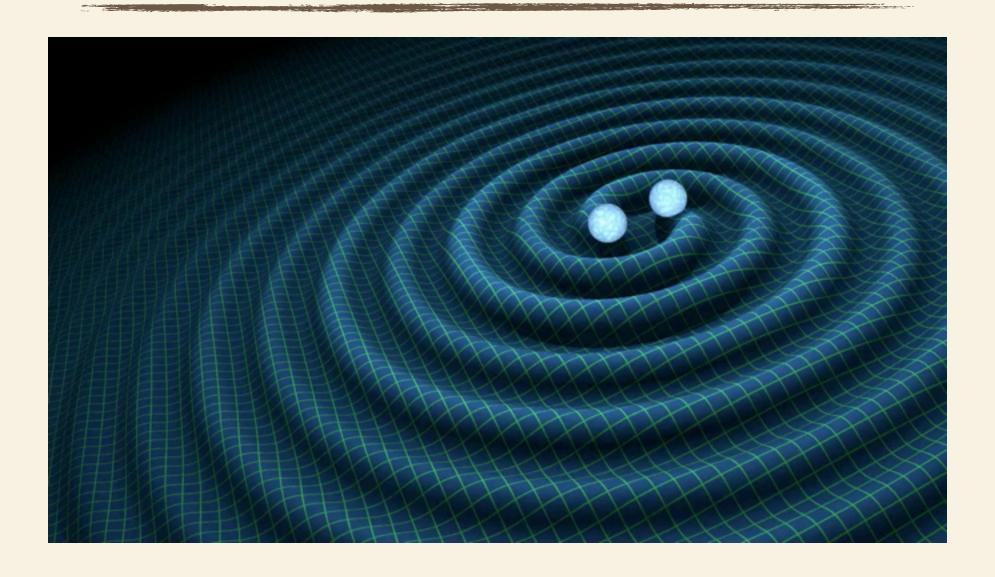
Why it took 100 years?



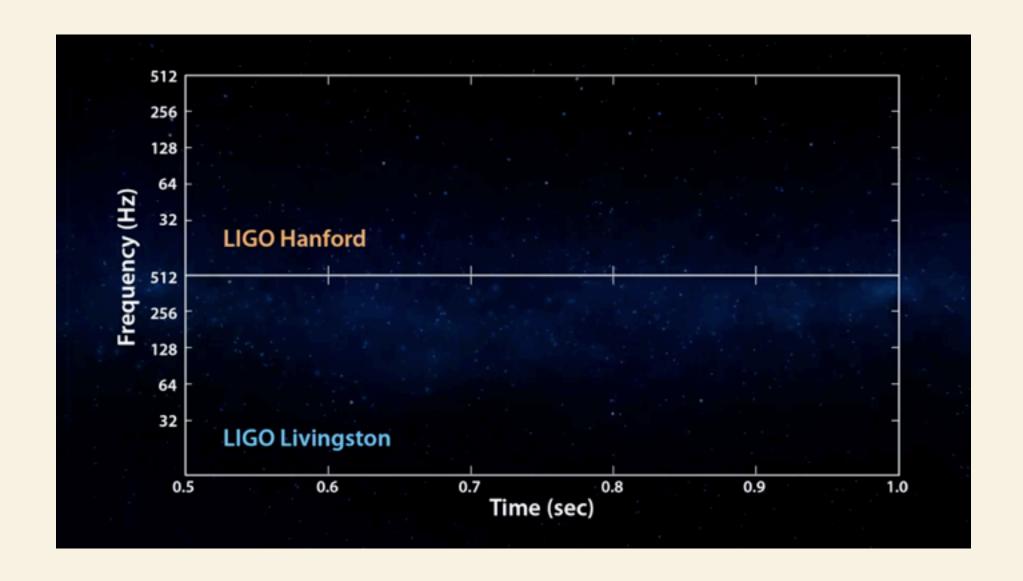
Merging Compact Stars



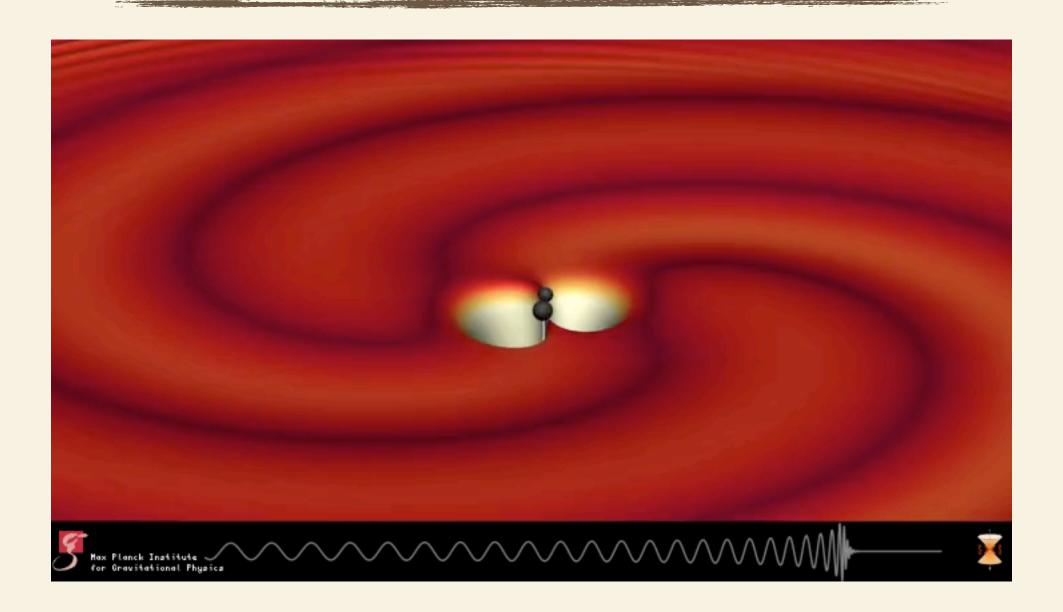
Generation of GW



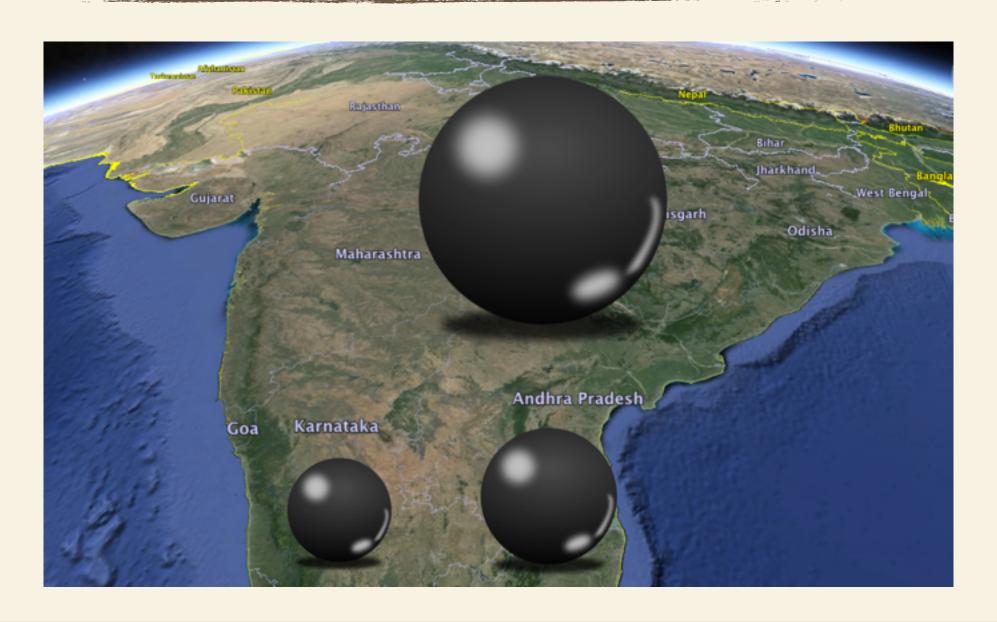
The Observed Event



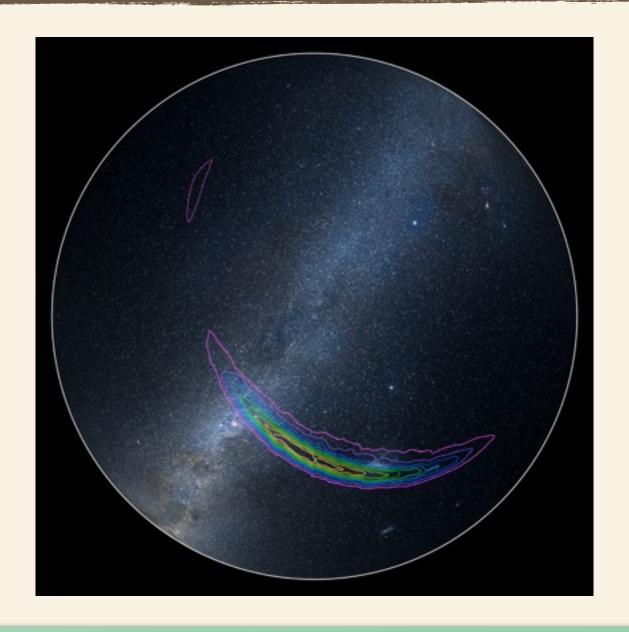
The Observed Event



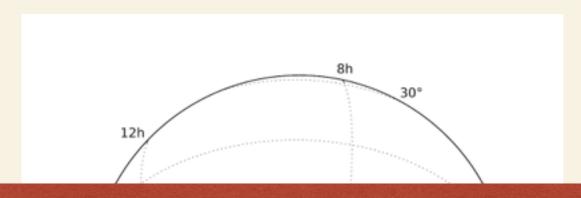
The Observed Event



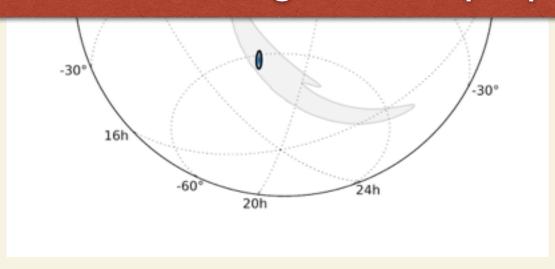
What was the Origin of the Signal?



LIGO India



17 Feb 2016: Cabinet grants approval to the LIGO-India mega science proposal



THE BEGINNING OF GW ASTRONOMY