Detectors Sources log(frequency) -16 wave period Cosmic microwave background polarization age of The Gravitational Wave Spectrum universe -14 Quantum fluctuations in early universe -12 -10 **Pulsar Timing** years **Binary Supermassive Black** & Holes in galactic nuclei 6 Supermassive Black Compact objects captured by hours -4 Holes nterferometers Space Compact Binaries in our -2 Galaxy & beyond sec 0 interferometers SW +2 Supernovae Rotating NS, Terrestrial