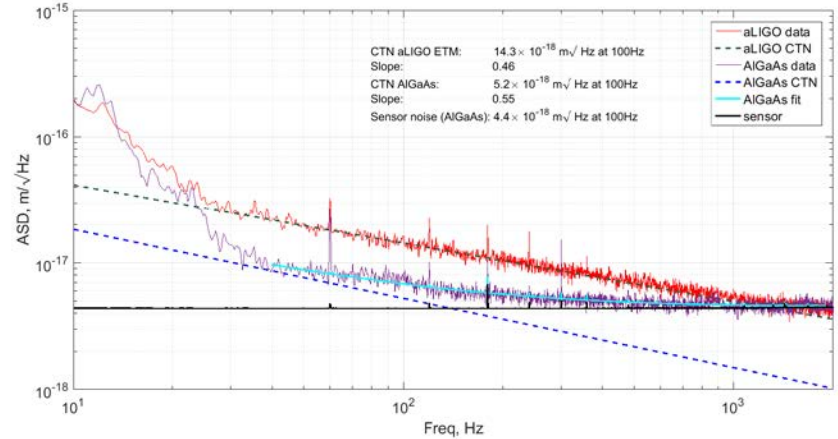
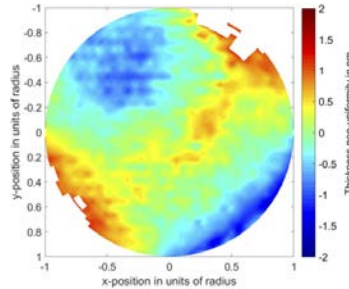
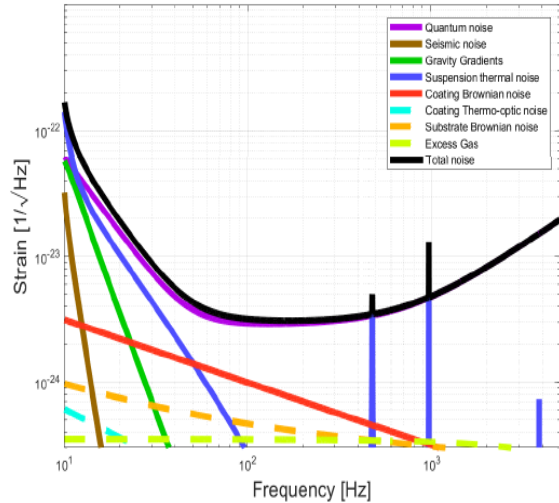


AlGaAs Coating Summary

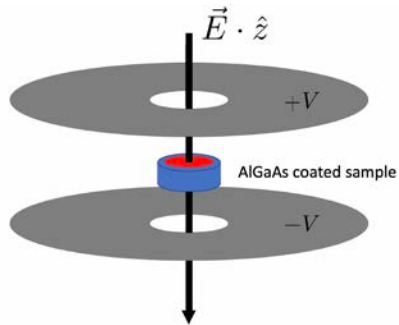
AdvLIGO Noise Curve: $P_{in} = 125.0$ W



$$\varphi_{11} = \varphi_{12} \leq 8 \times 10^{-5}$$

$$\varphi_{44} < 1 \times 10^{-7}$$

- Phase 1: 10 and 20 cm diameter
- Phase 2: 30 cm diameter/20 cm thick
- By 2025, US\$20 M



MAJOR RESEARCH INSTRUMENTATION