aLIGO H1 DARM noise, 2015-03-03 10:05:00 UTC Suspension thermal Coating Brownian DCPD dark current Total expected Measured (2.8 W) Quantum (2.8 W) Seismic $\mathsf{DAC} \,\to\, \mathsf{ETM} \; \mathsf{ESDs}$ Newtonian 10⁻¹⁴ 10⁻¹⁵ ASD of displacement [m $\mathrm{Hz}^{-1/2}$] 10⁻¹⁶ 10⁻¹⁷ 10⁻¹⁸ 10⁻¹⁹ 10⁻²⁰ 10^2 10^3 10^1

Frequency [Hz]