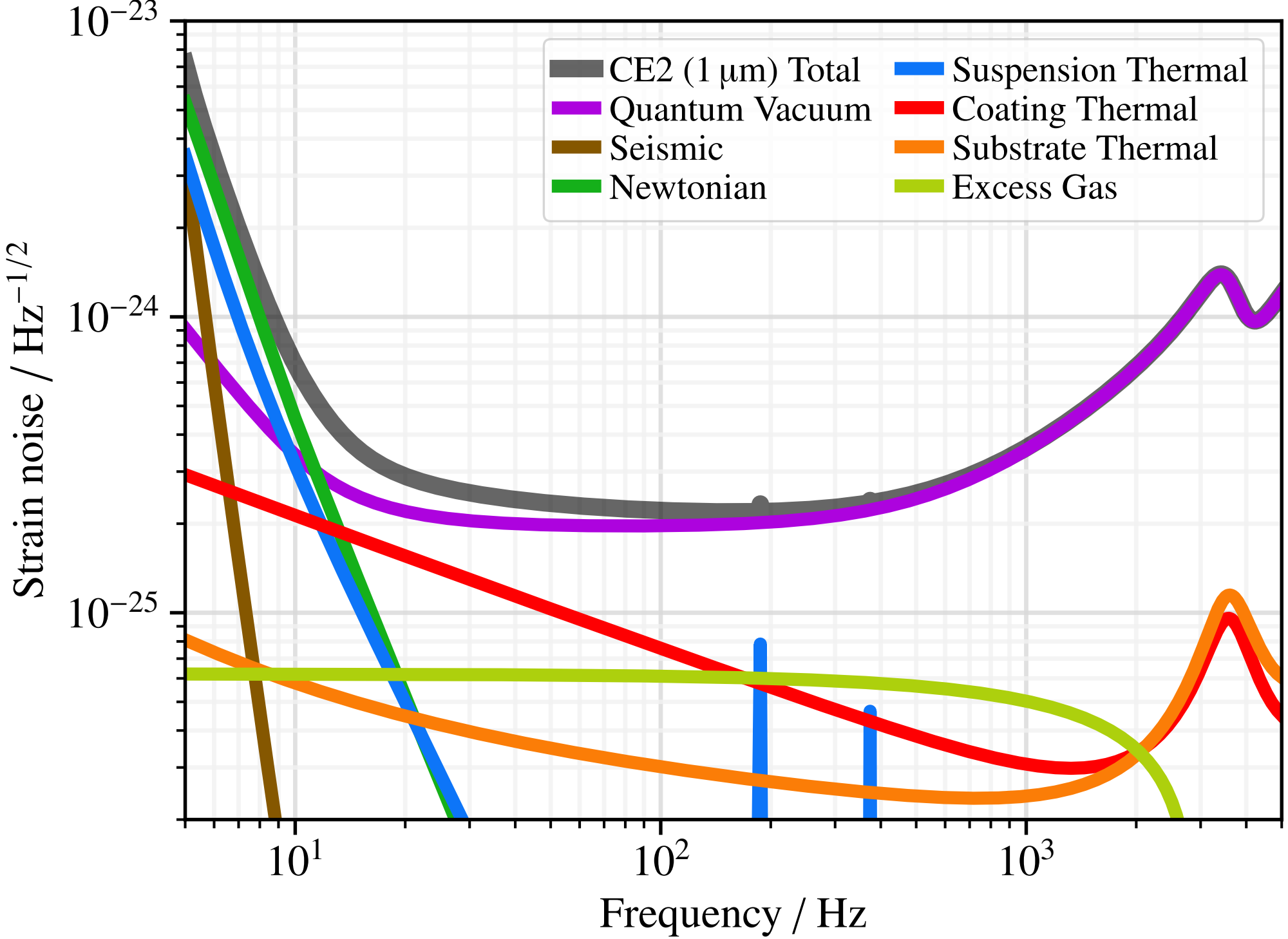
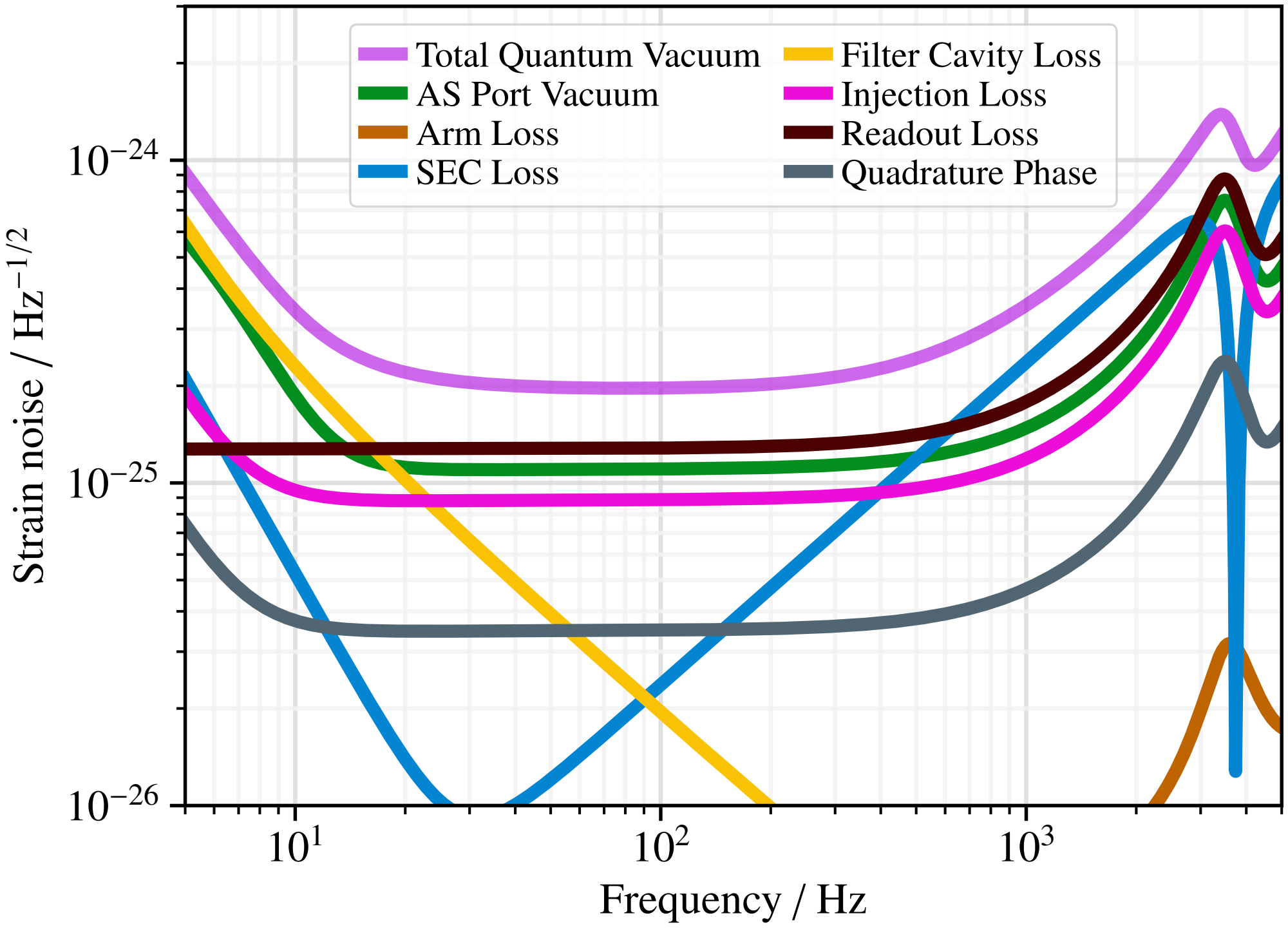
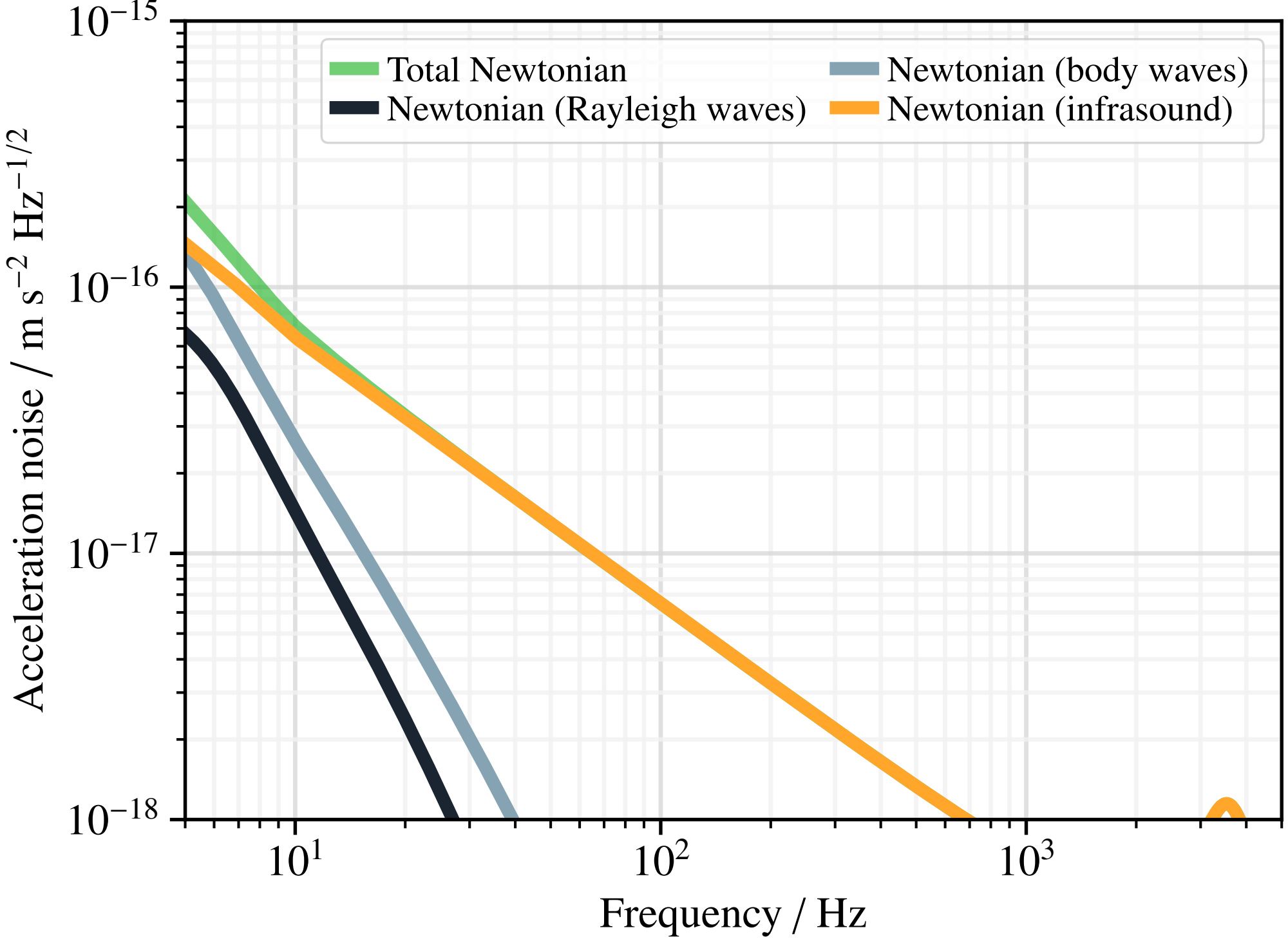
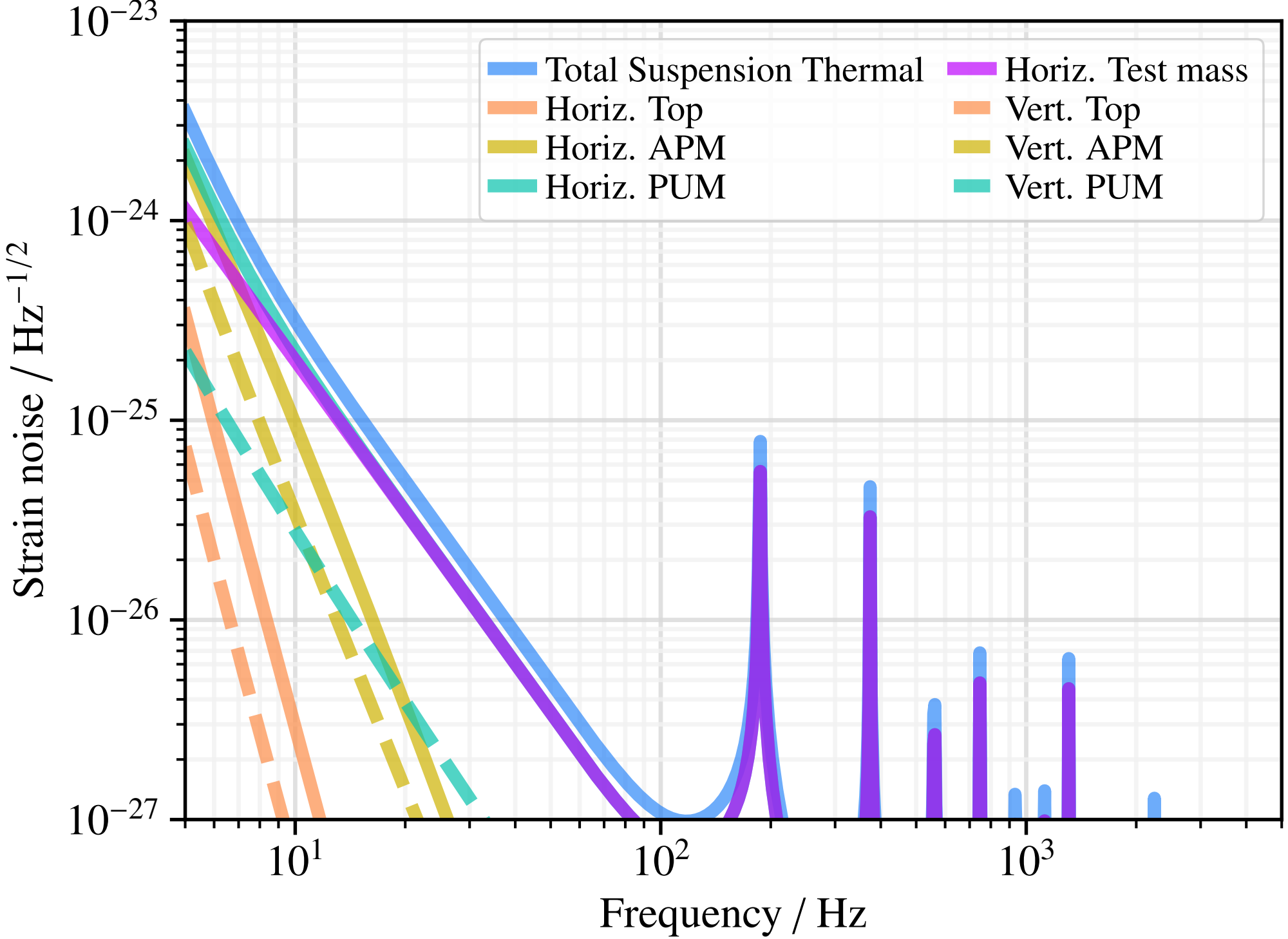
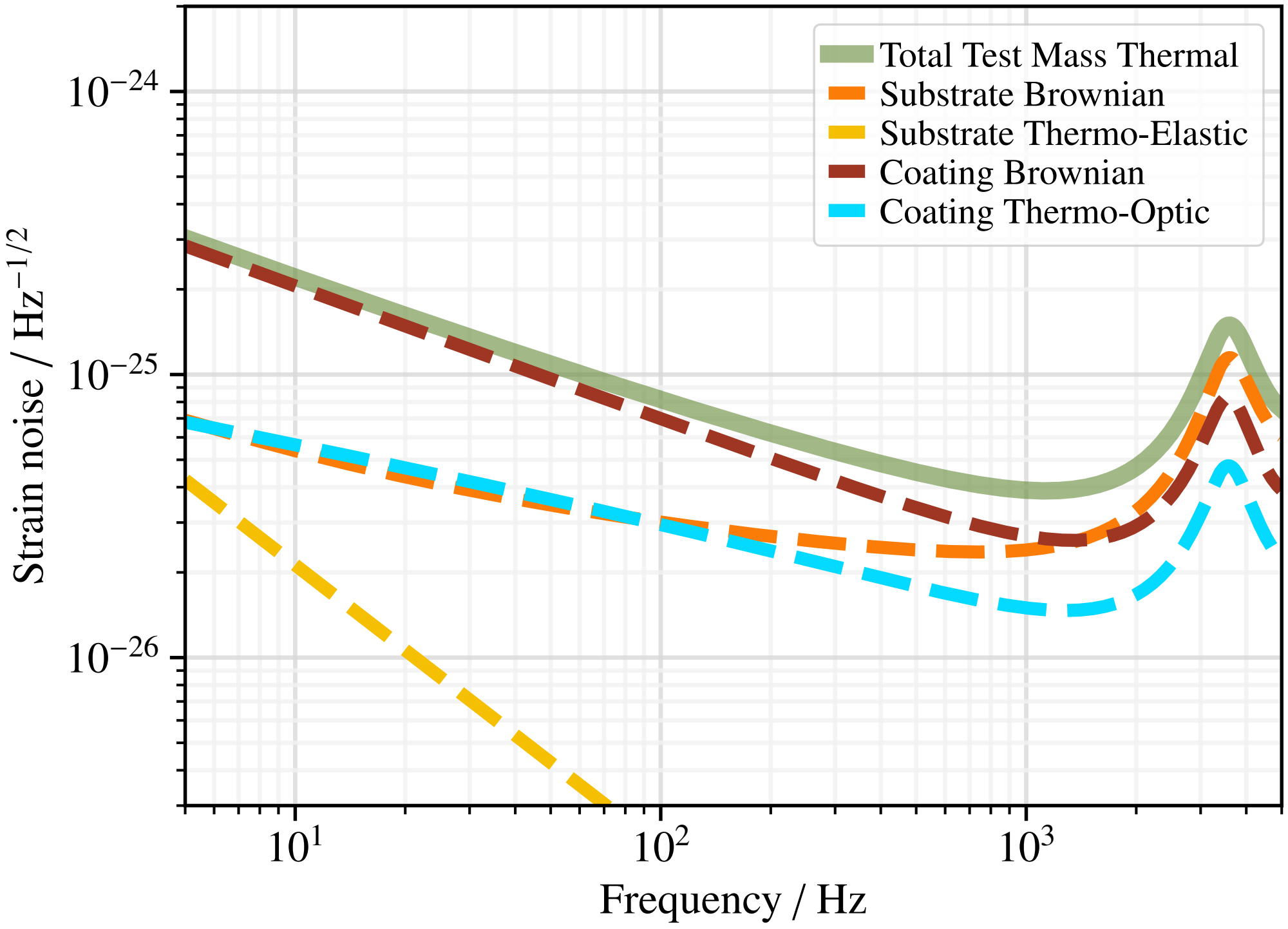

CE2 (1 μm) Total
Quantum Vacuum
Seismic
Newtonian
Suspension Thermal
Coating Thermal
Substrate Thermal
Excess Gas
10^{-23}
10^{-24}
10^{-25}
Strain noise / $\mathrm{Hz}^{-1/2}$
10^{1}
10^{2}
10^{3}
Frequency / Hz


Total Quantum Vacuum
AS Port Vacuum
Arm Loss
SEC Loss
Filter Cavity Loss
Injection Loss
Readout Loss
Quadrature Phase
10^{-24}
10^{-25}
10^{-26}
Strain noise / $\mathrm{Hz}^{-1/2}$
10^{1}
10^{2}
10^{3}
Frequency / Hz


Total Newtonian
Newtonian (body waves)
Newtonian (Rayleigh waves)
Newtonian (infrasound)
Acceleration noise / m s^{-2} Hz$^{-1/2}$
Frequency / Hz
10^{-15}
10^{-16}
10^{-17}
10^{-18}
10^{1}
10^{2}
10^{3}


Total Suspension Thermal
Horiz. Test mass
Horiz. Top
Vert. Top
Horiz. APM
Vert. APM
Horiz. PUM
Vert. PUM
Strain noise / Hz$^{-1/2}$
Frequency / Hz
10^{-23}
10^{-24}
10^{-25}
10^{-26}
10^{-27}
10^{1}
10^{2}
10^{3}


Total Test Mass Thermal
Substrate Brownian
Substrate Thermo-Elastic
Coating Brownian
Coating Thermo-Optic
10^{-24}
10^{-25}
10^{-26}
Strain noise / $\mathrm{Hz}^{-1/2}$
10^{1}
10^{2}
10^{3}
Frequency / Hz