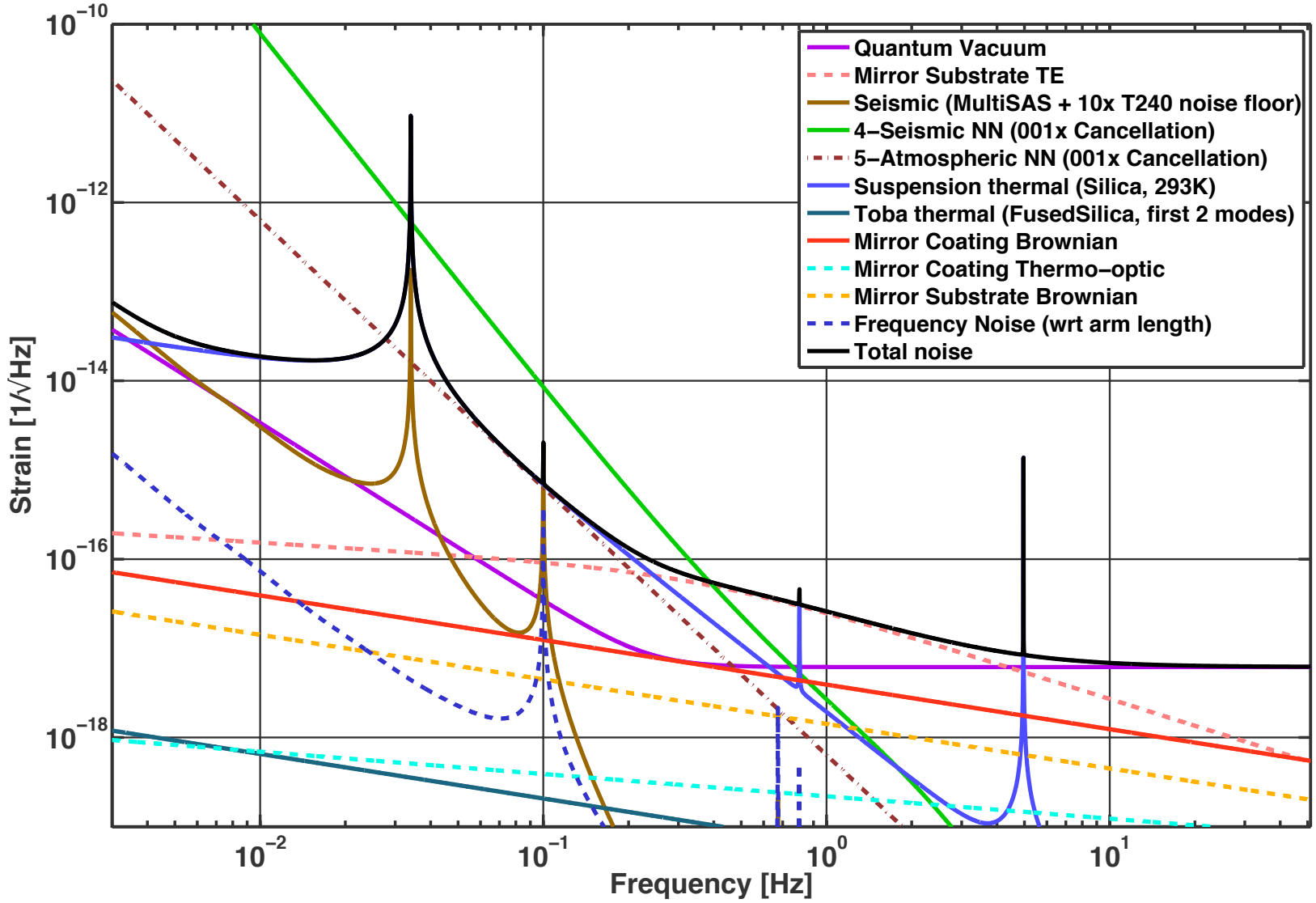
```
ans =

22-May-2015 23:49:17


Torsion Suspension (suspTorsion.m)
 - torsion suspension wire material: Silica
 - torsion suspension wire loss angle: 1e-10
 - torsion suspension wire temperature: 293 K
 - torsion wire diameter (single wire, multiplied safety factor 1.5x): 400 um
 - torsion suspension wire length: 0.3 m
 - torsion spring constant (2 wire): 0.18593 Nm/rad
 - torsion bar inertia: 4.0639kg*m^2
 - torsion resonance: 0.034042 Hz
You are not injecting squeezing..loozer!
 - Seismic Isolator: MultiSAS
 - Seismic Ground Motion: LLO
 - Seismic Isolator: MultiSAS
 - Seismic Ground Motion: LLO
Laser Power:              0.010 Watt
SRM Detuning:              0.00 degree
SRM transmission:          1.0000
ITM transmission:          0.0213
PRM transmission:          1.0000
Finesse:                 294.71
Power Recycling Factor:    1.00
Arm power:                 0.00 kW
Power on beam splitter:    0.01 W
Thermal load on ITM:       0.000 W
Thermal load on BS:        0.000 W
Reqired TCS efficiency:    1.000(estimate, see IFOModel.m for definition)
BNS Inspiral Range:       0.001 Mpc
BBH Inspiral Range:       0.010 Mpc
Stochastic Omega:  0.5 Universes

New Nebulous Range:       6.292 Mpc

TORPEDO Configuration (nomm_Masaki_1m.m)
 - Reference Cavity Length: 6.2 m
 - Arm Lengths: 0.70711 m
 - Bar length and diameter: 1 m x 0.1 m. (dumbell)
 - Bar material: FusedSilica
 - Bar material loss angle: 1.32e+11
 - Bar temperature: 293 K
 - Bar mass: 44.925 kg
```


Quantum Vacuum
Mirror Substrate TE
Seismic (MultiSAS + 10x T240 noise floor)
4–Seismic NN (001x Cancellation)
5–Atmospheric NN (001x Cancellation)
Suspension thermal (Silica, 293K)
Toba thermal (FusedSilica, first 2 modes)
Mirror Coating Brownian
Mirror Coating Thermo–optic
Mirror Substrate Brownian
Frequency Noise (wrt arm length)
Total noise
Strain [1/√Hz]
Frequency [Hz]
10^−10
10^−12
10^−14
10^−16
10^−18
10^−2
10^−1
10^0
10^1