## 14-Feb-2015 15:42:16

- Bar mass: 0.1317 kg

```
Torsion Suspension (suspTorsion.m)

    torsion suspension wire material: Silicon

 - torsion suspension wire loss angle: 1e-09
 - torsion suspension wire temperature: 120 K
 - torsion wire diameter (single wire, multiplied safety factor 15x): 41.9824 um
 - torsion suspension wire length: 0.4 m
 torsion spring constant (2 wire): 0.0004088 Nm/radtorsion bar inertia: 0.00035559kg*m^2
 - torsion resonance: 0.17065 Hz
You are not injecting squeezing..loozer!
- Seismic Isolator: MinusK

    Seismic Ground Motion: LLO

    Seismic Isolator: MinusK

 - Seismic Ground Motion: LLO
                             0.050 Watt
Laser Power:
SRM Detuning:
                              0.00 degree
SRM transmission:
                              1.0000
ITM transmission:
                              0.0140
PRM transmission:
                              1.0000
                            448.16
Finesse:
Power Recycling Factor:
                              1.00
                              0.01 kW
Arm power:
                              0.05 W
Power on beam splitter:
Thermal load on ITM:
                              0.000 W
Thermal load on BS:
Regired TCS efficiency:
                              0.000 W
                              1.000(estimate, see IFOModel.m for definition)
BNS Inspiral Range:
                             0.000 Mpc
BBH Inspiral Range:
                             0.001 Mpc
Stochastic Omega: 5e+02 Universes
New Nebulous Range:
                             0.500 Mpc
TORPEDO Configuration
 - Bar length and diameter: 0.18 m x 0.02 m.
 - Bar material: Silicon
 Bar material loss angle: 1e+09Bar temperature: 120 K
```

