## 11-Apr-2015 22:18:13

- Bar mass: 13.128 kg

```
Torsion Suspension (suspTorsion.m)

    torsion suspension wire material: Silica

    torsion suspension wire loss angle: 4.1e-10

 - torsion suspension wire temperature: 293 K
 - torsion wire diameter (single wire, multiplied safety factor 1.5x): 1568.3193
 um
 - torsion suspension wire length: 0.6 m
 - torsion spring constant (2 wire): 0.027166 Nm/rad

    torsion bar inertia: 0.6392kg*m^2

 - torsion resonance: 0.03281 Hz
You are not injecting squeezing..loozer!
- Seismic Isolator: MultiSAS

    Seismic Ground Motion: lowFsite

 - Seismic Isolator: MultiSAS
 - Seismic Ground Motion: lowFsite
Laser Power:
                            0.100 Watt
SRM Detuning:
                             0.00 degree
SRM transmission:
                             1.0000
ITM transmission:
                             0.0213
PRM transmission:
                             1.0000
                           294.71
Finesse:
Power Recycling Factor:
                             1.00
                             0.01 kW
Arm power:
Power on beam splitter:
                             0.10 W
Thermal load on ITM:
Thermal load on BS:
                             0.000 W
                             0.000 W
                             1.000(estimate, see IFOModel.m for definition)
Reqired TCS_efficiency:
BNS Inspiral Range:
                            0.000 Mpc
BBH Inspiral Range:
                            0.003 Mpc
Stochastic Omega:
                       8 Universes
New Nebulous Range:
                            1.319 Mpc
TORPEDO Configuration (nomm_anu_pType1.m)
 - Reference Cavity Length: 6.2 m
 - Arm Lengths: 0.368 m
 - Bar length and diameter: 0.6 m x 0.06 m.
 - Bar material: Aluminium
 Bar material loss angle: 1.13e+06Bar temperature: 293 K
```

