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21-May-2016 22:22:13

Torsion Suspension (suspTorpedo3.m)

- torsion suspension wire material: Tungsten
- torsion suspension wire loss angle: $1e-07$
- torsion suspension wire temperature: 293 K
- torsion wire diameter (single wire, safety factor 1x): 500 μm
- torsion suspension wire length: 0.686 m
- torsion spring constant (2 wire): 0.026211 Nm/rad
- torsion bar inertia: 0.6508kg*m²
- torsion resonance: 0.03194 Hz

You are not injecting squeezing..loozer!

- Seismic Isolator: MinusK
- Seismic Ground Motion: LL0
- Seismic Isolator: MinusK
- Seismic Ground Motion: LL0

Laser Power: 0.003 Watt
SRM Detuning: 0.00 degree
SRM transmission: 1.0000
ITM transmission: 0.0213
PRM transmission: 1.0000

Warning: Ignoring extra legend entries.]

> In legendHGUsingMATLABClasses>set_children_and_strings (line 650)

In legendHGUsingMATLABClasses>make_legend (line 313)

In legendHGUsingMATLABClasses (line 241)

In legend (line 118)

In gwinc (line 261)

In nomm_anu_pType1_v2 (line 334)]

Finesse: 294.71

Power Recycling Factor: 1.00

Arm power: 0.00 kW

Power on beam splitter: 0.00 W

Thermal load on ITM: 0.000 W

Thermal load on BS: 0.000 W

Required TCS efficiency: 1.000 (estimate, see IFOModel.m for definition)

BNS Inspiral Range: 0.000 Mpc

BBH Inspiral Range: 0.001 Mpc

Stochastic Omega: 3e+03 Universes

New Nebulous Range: 0.079 Mpc

TORPEDO Configuration (nomm_anu_pType1_v2.m)

- Reference Cavity Length: 0.2 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+06

- Bar temperature: 293 K
- Bar mass: 4.5804 kg
- Bar Inertia: 0.13741 kg*m²