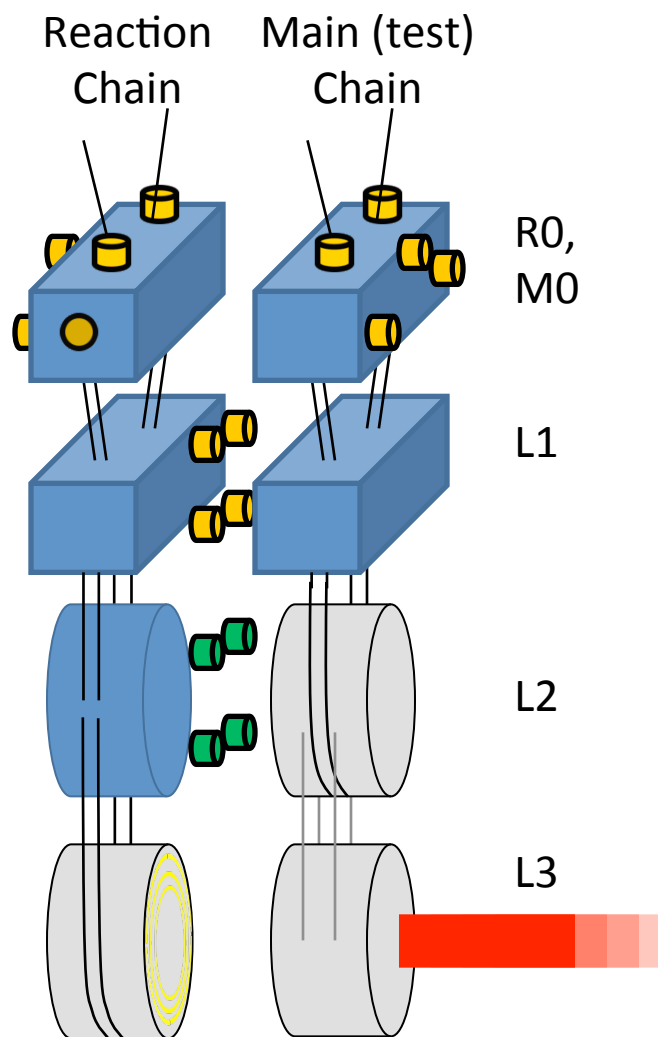
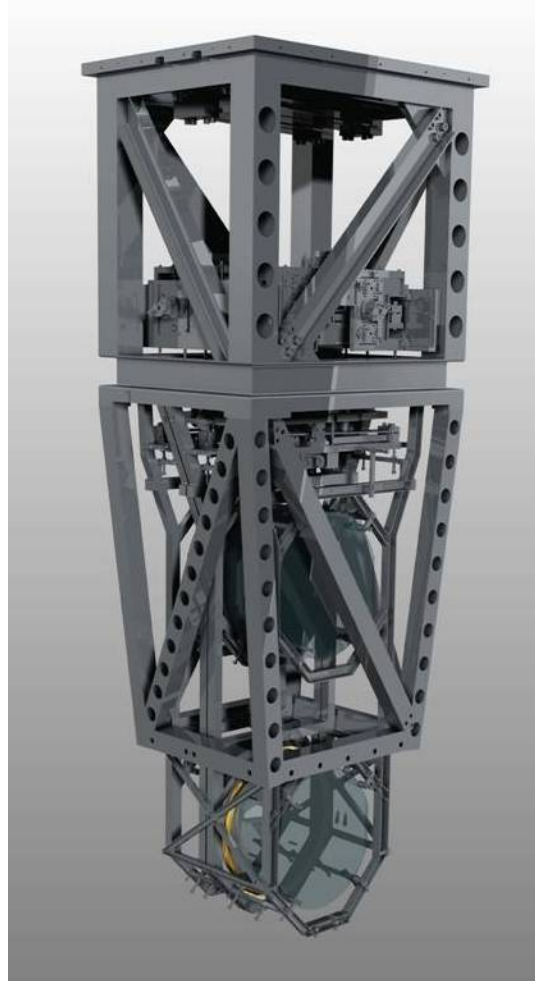


Quadruple Suspension (Quad)



Purpose

- Input Test Mass (ITM, TCP)
- End Test Mass (ETM, ERM)



Location

- H1 - BSC 1, 3, 9, 10
- H2 - BSC 7, 8, 5, 6
- L1 – BSC 1, 3, 4, 5

Control

- Local – damping at M0, R0
- Global – LSC & ASC at all 4

Sensors/Actuators

-  BOSEMs at M0, R0, L1
-  AOSEMs at L2
- Opt. lev. and interf. sigs. at L3
- Electrostatic drive (ESD) at L3

Documentation

- Final design review - T1000286
- Controls arrang. – E1000617