

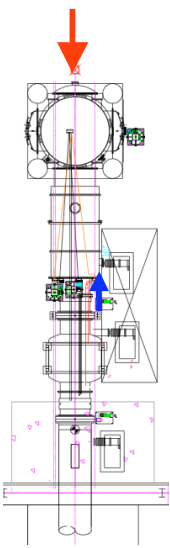


Backscattering Coupling Map (LHO)

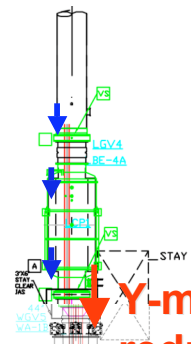
Max predicted displacement noise -
Red $\geq 1e-21$ m/sqrt(Hz)
Blue: $< 1e-21$ m/sqrt(Hz)

Baffle being considered for eLIGO: 
 Baffle not currently being considered: 

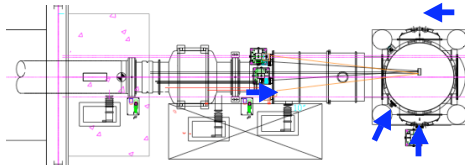
Y-end cap
 3.7e-21 m/sqrt(Hz) (H1)



Y-manifold reducing flange
 8.7e-21 m/sqrt(Hz) (H2)



X-end cap
 2.6e-21 m/sqrt(Hz) (H1)



Caused by BT baffle frame?
 1.9e-21 m/sqrt Hz



X-manifold reducing flange
 7.7e-21 m/sqrt(Hz) (H1)

Note: cryopumps pasted on from LHO drawings

HAM 5 flange
 4e-20 m/sqrt(Hz) (H1)

