

Current Status of the Main Interferometer Design

External Review

- Successfully finished on March 1st
- Several comments
 - Hurry up the ASC design !
 - Mirror requirements for higher order figure errors
 - Incorporate the suspension model into the control system design

What we are doing

- Arm Cavity g-factor
- Folding design to minimize the impact of mirror figure errors
- Alignment Sensing and Control study
- Hierarchical control
- Green lock
- List up auxiliary optics