

- OMC "mode matching"

Minimizing "mode mismatch" by active wave front control
Which "mode mismatch"?

Not all the higher-order modes contain the signal
higher-order modes from junk light (no signal)
higher-order modes from mismatched arm mode

- Use arm dithering to find the signal component (Nextpage)
- Optimal OMC mode matching (c.f. Nic's optimal alignment)

OMC beacon mode matching

LIGO-G1500538
Koji Arai

- OMC beacon scan using violinmode at 1009.4Hz

