

Intensity Stabilization Servo Plan

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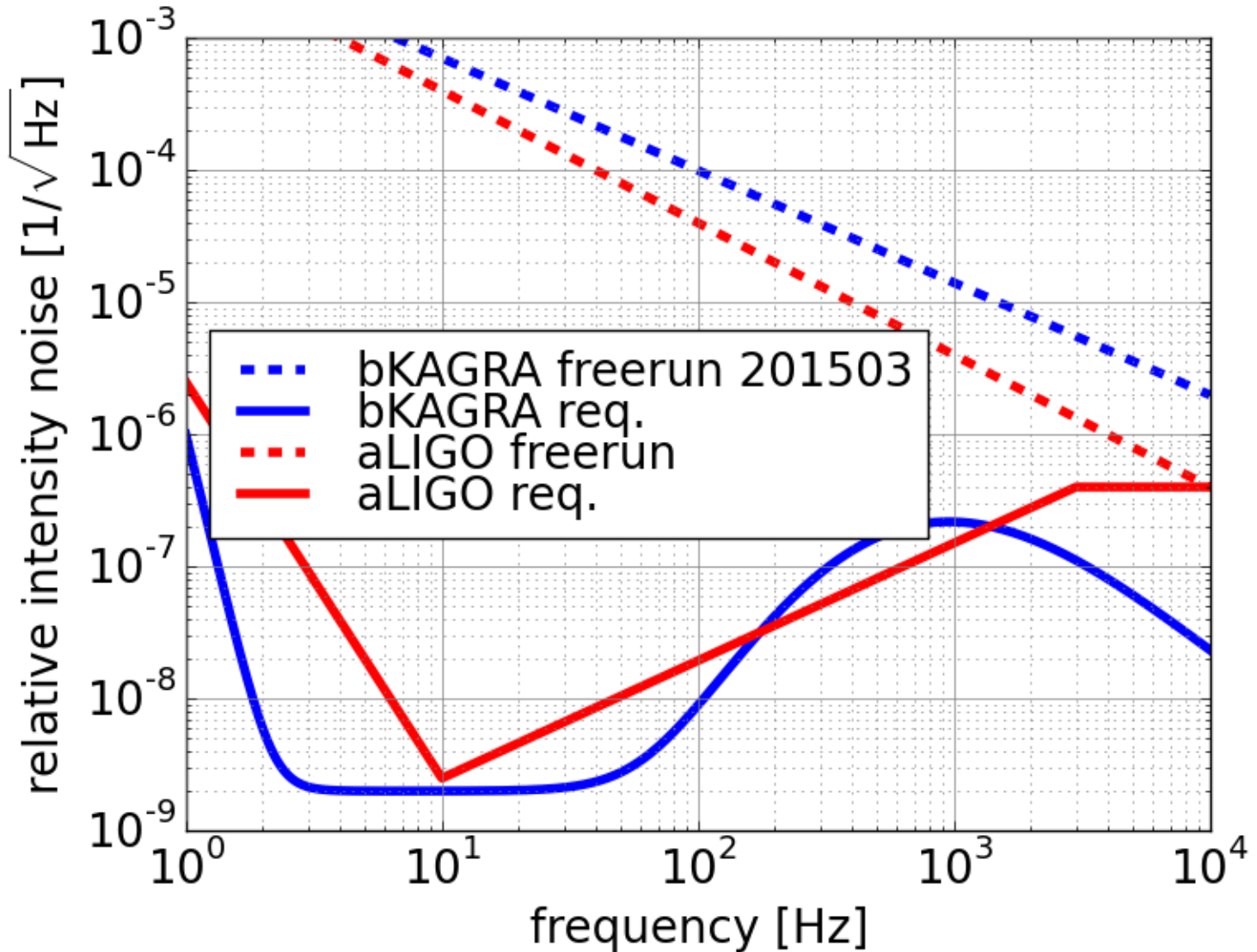
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Scope

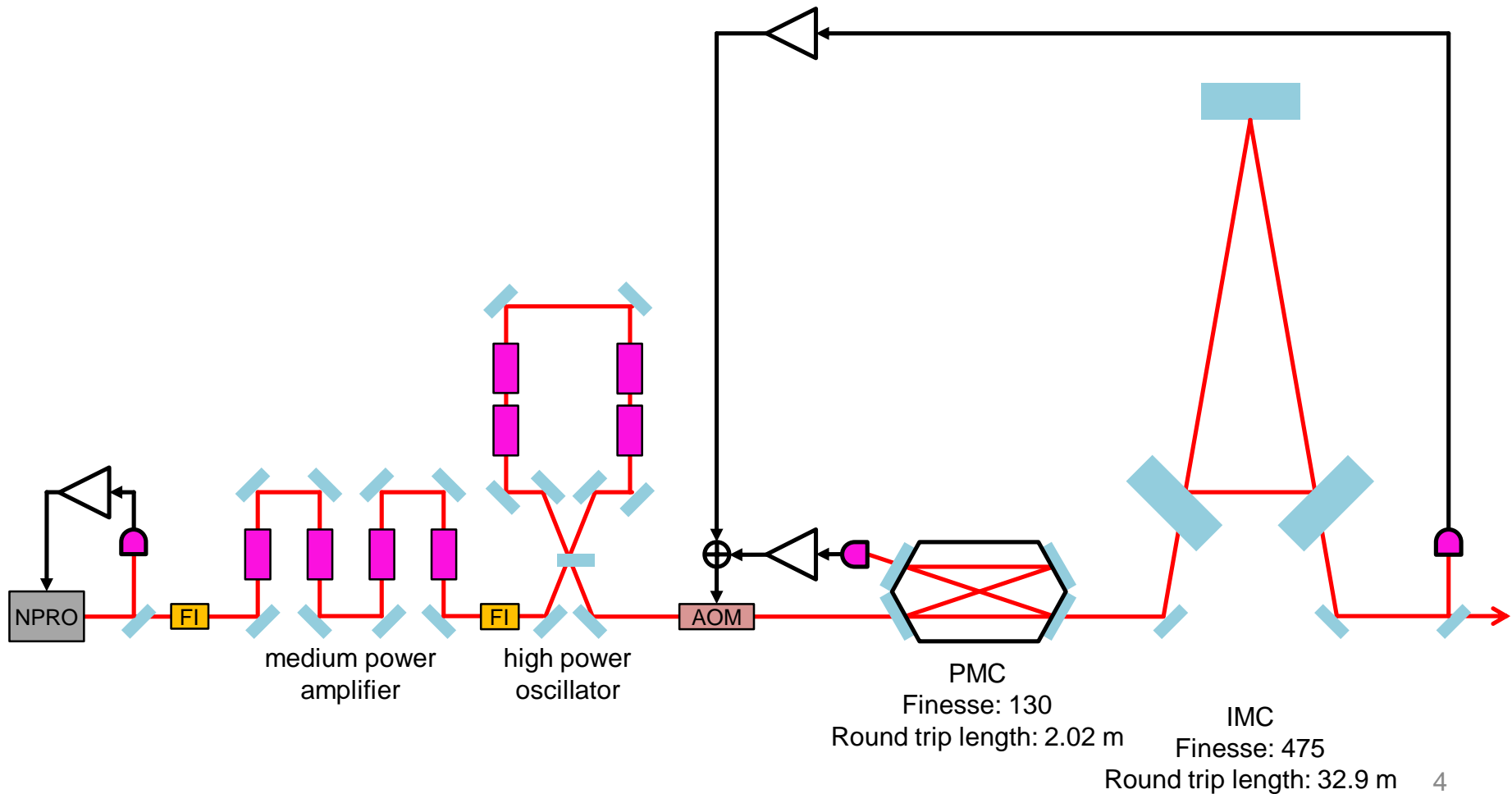
- Start discussion on the servo topology of the bKAGRA intensity stabilization servo (ISS)
- Start from following the aLIGO design
- Related documents:
 - [Optics Express 20, 10617 \(2012\)](#) (aLIGO ISS/FSS paper)
 - [Optics Letters 34, 2912 \(2009\)](#) (aLIGO ISS paper)
 - [LIGO-T0900649](#) (aLIGO PSL Final Design)
 - [JGW-G1503293](#) (bKAGRA laser development status)
 - [JGW-T1200913](#) (requirement from MIF)

Requirement

- see related documents for the real spectra



aLIGO Topology



bKAGRA Topology Plan

- PMC design not fixed yet
- What do we do for the noise eater servo?
- Any feedback to fiber amps and/or solid state amps?

