

Noise hunting

- Target sensitivity
 - Needs 3-4 orders improvement
- Noise hunting manager: Aso
- Operation
 - IFO expert: Nakano, Ushiba, Kokeyama, Akutsu,
 Oshino, Okutomi, K. Tanaka, Lucia, Fabia, Aso,
 Miyakawa
 - Operators:
 - Sensitivity curve in the control room
 - IFO characterization
 - Parameters on wiki page: Ushiba, Nakano, and all

KAGRA

Schedule

- FPMI lock and start simple noise hunting(~10/5)
- Ceremony on Friday (10/4)
- Fixing beam clipping (10/7⁻) for a week
- Cooling ()
- Preparation for ASC
 - VIS work
 - TMS work
 - Sensors
- ASC (10/15[~])
- Assembling and installation of AS chamber (October)
 - Installation of OMC
- Commissioning of OMC (November)
- Ion pump (Middle of October)



Items to be improved

- Frequency noise
- Centering MCo
- Beam clipping
- PD optimization
- Peaks at VIS
- Motors on pump
- Fan
- Whitening/dewhitening
- Laser power
- Temperature



- Bruco
 - Basically it is ready
- Noise budget
 - Shoda, Michimura
- Summary page
 - Needs channel information
- Noise database and line database
- State vector



- Preparation of manuals for shift on wiki page
- Needs short runs for shift test
- Final run for 2 weeks