

MIF Status Report

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on behalf of the Main Interferometer subgroup

Updates from F2F Dec 2016

- Installed all the remaining output optical tables
TRX ([klog #2531](#))
TRY ([klog #2538](#))
POS/AS ([klog #2625](#))
- Updated mirror actuator noise/range modeling
- Optical layout around OFI and OMC almost fixed
- Cross-subgroup request of DC QPD and its whitening filter chassis to AEL

YOU can contribute

- RF PD / QPD characterization ★★
- Electronics and cabling diagram ★
- Digital system (in collaboration with CAL?) ★★
- Better interferometer modeling for arm length stabilization (green lock) and intermediate configurations ★★★★★
- RF generation scheme, RF AM scheme ★★★
- Fabrication of AS optics (OMC, OFI, OMMT) ★★★
- Initial alignment planning ★★
- In-vacuum optics/electronics design ★★

Roughly in the order of priority.

Number of stars indicate the level of recommendation.

Contact me if interested

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