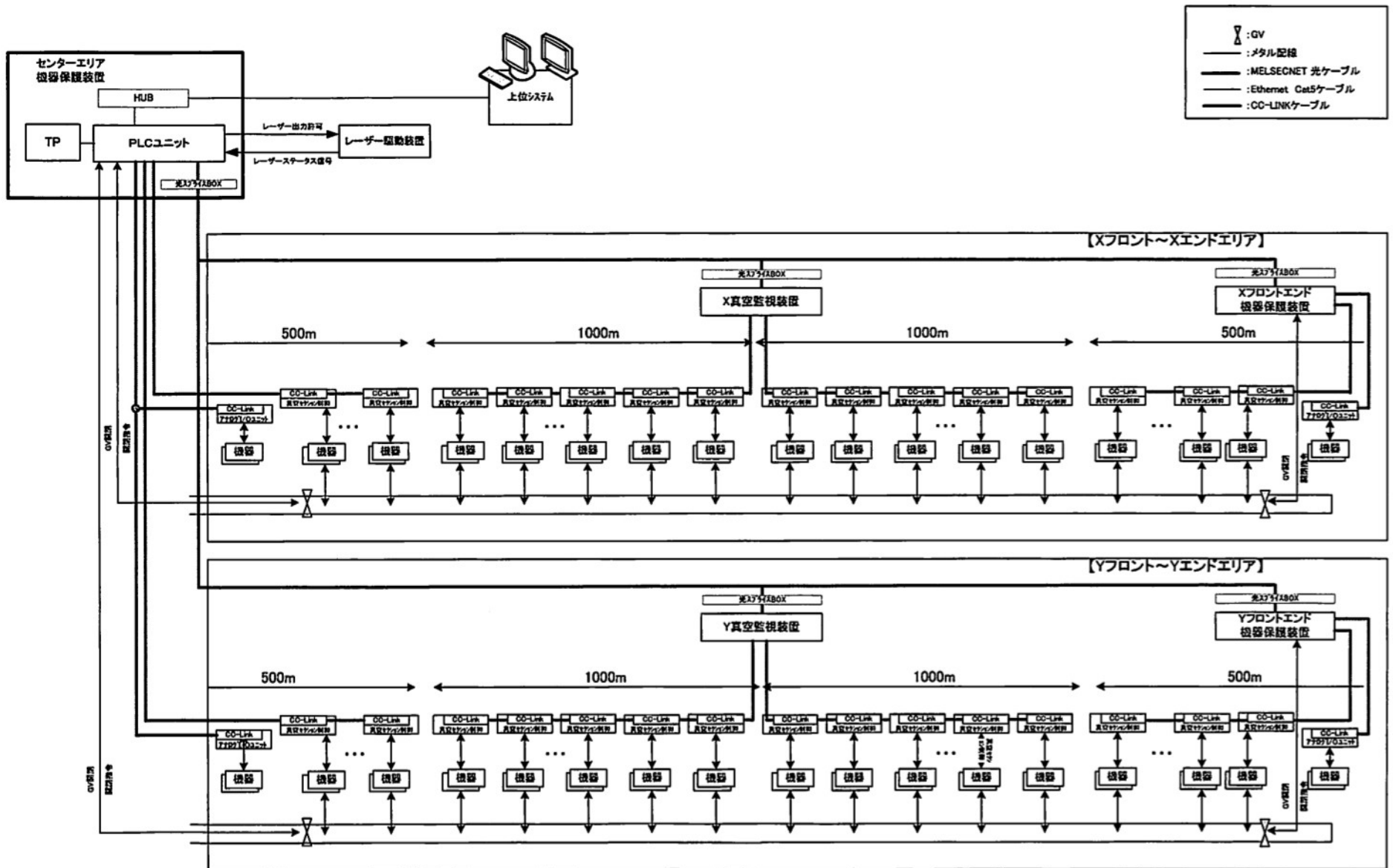


KAGRA Domestic Meeting 2013/4/17

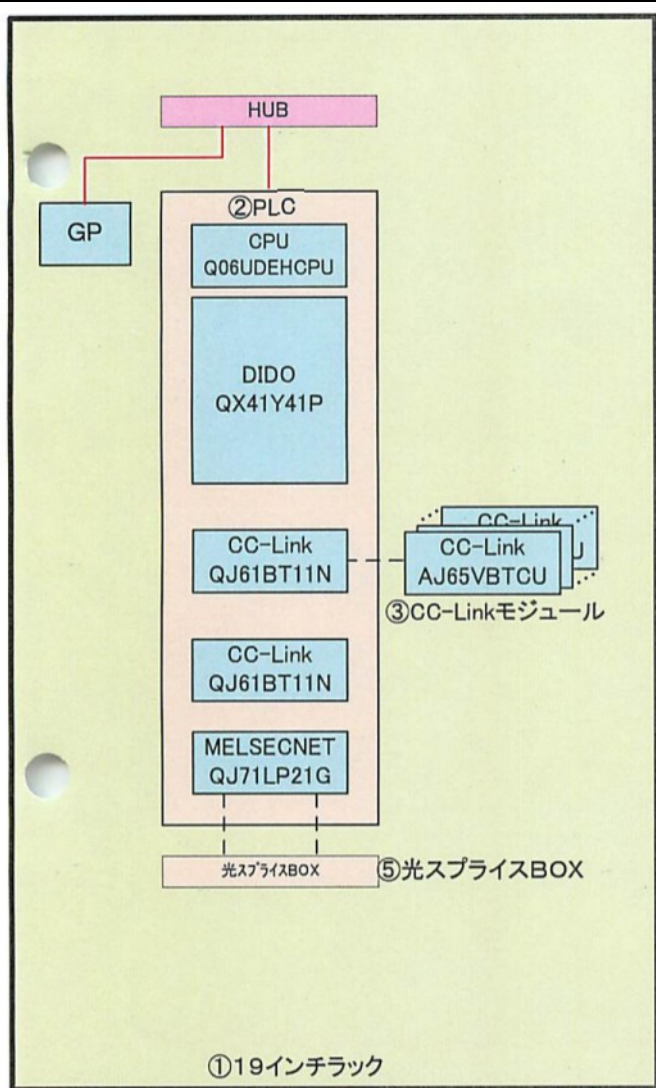
Main Interferometer Subsystem

Yoichi Aso
University of Tokyo

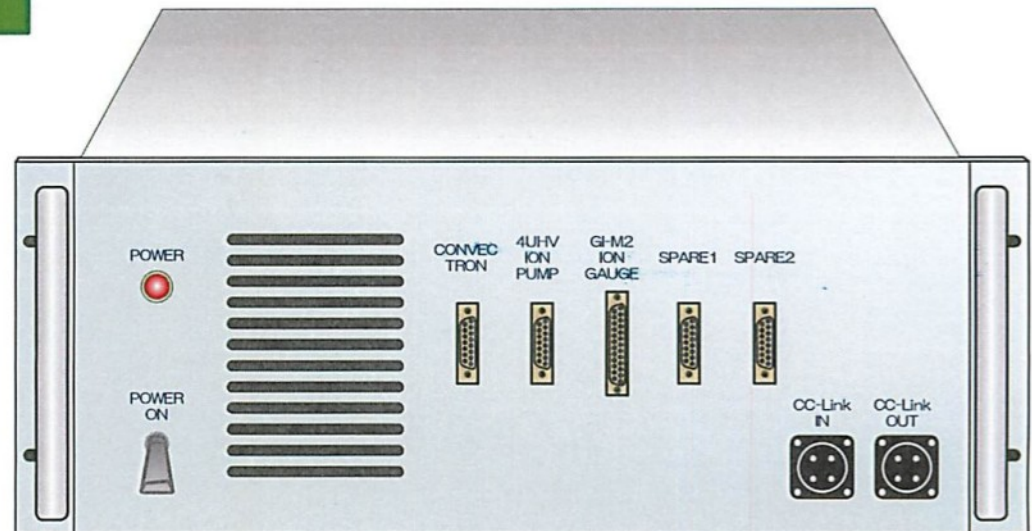
Instrument Control

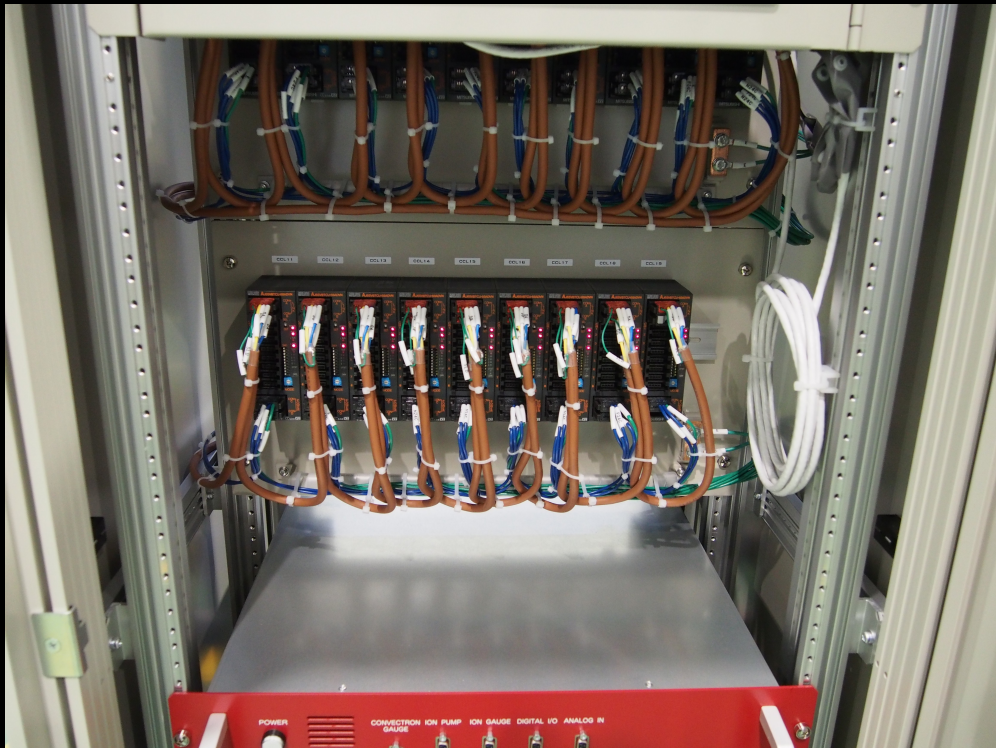
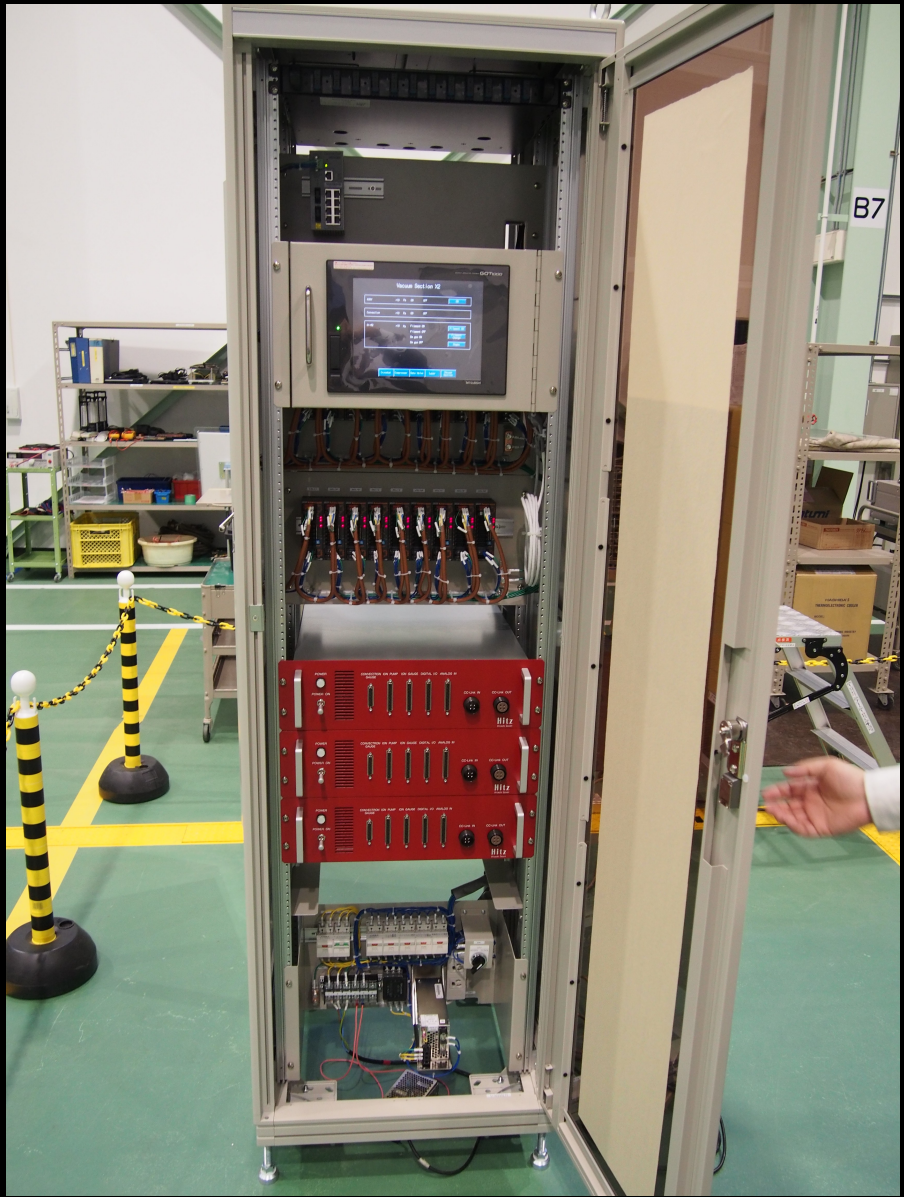


Ordered Central Module + 4 Vacuum Modules



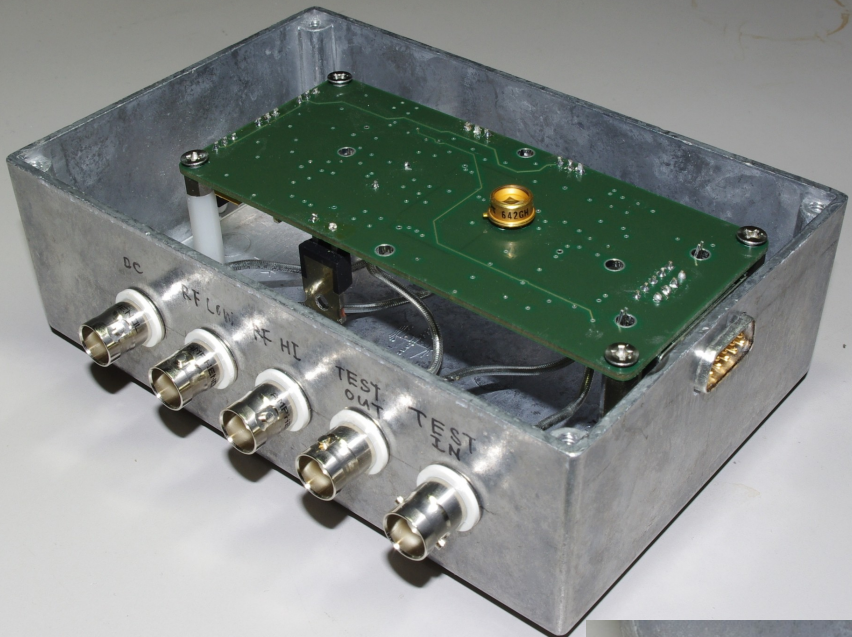
機器外観図



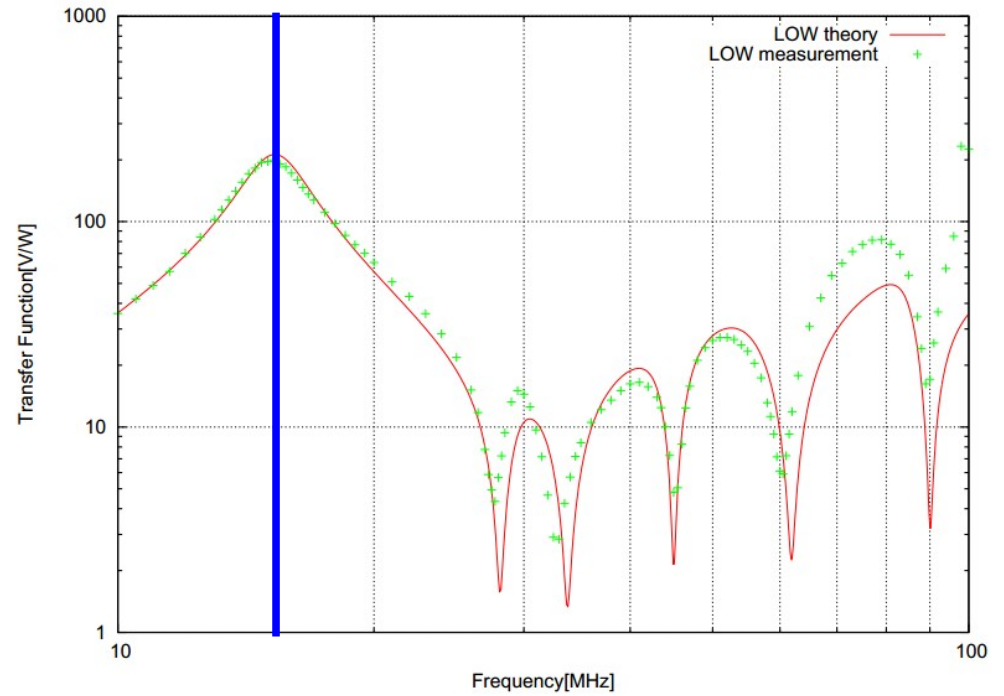
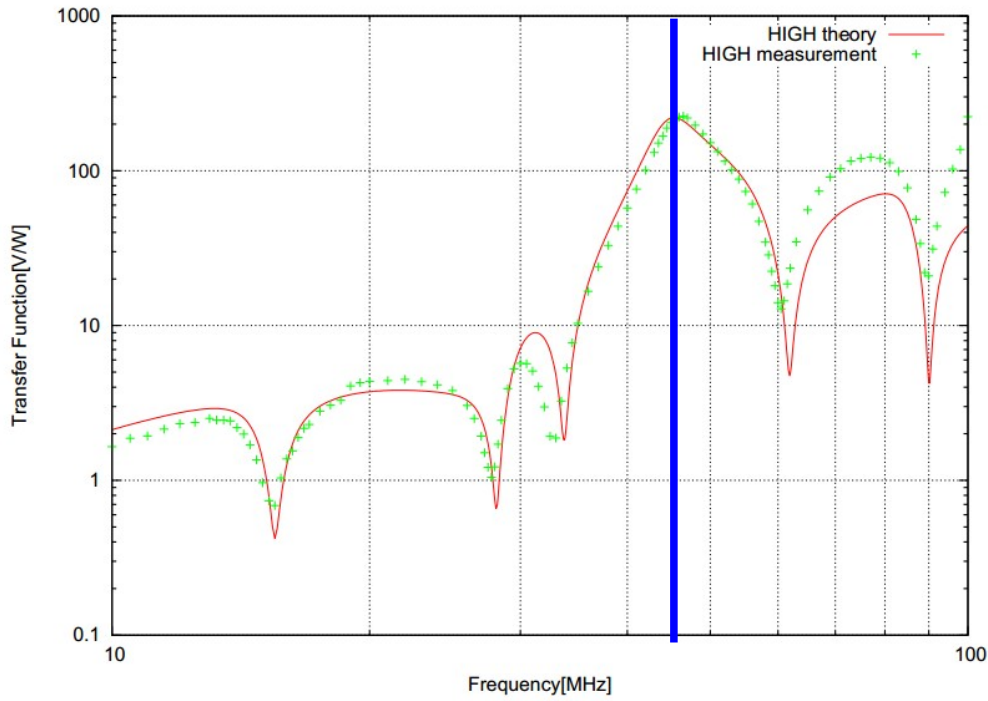


Tasks Going On

- Electric Circuits
- Servo modeling
- Detailed Optical Layout (OMC)



RF PD Response Measurement



Electric Circuits to be Made

PDs

- RF PD
- RF QPD
- DC PD
- DC QPD

High Stability RF Oscillator
RF Distribution
I-Q Demodulator
Whitening Filter

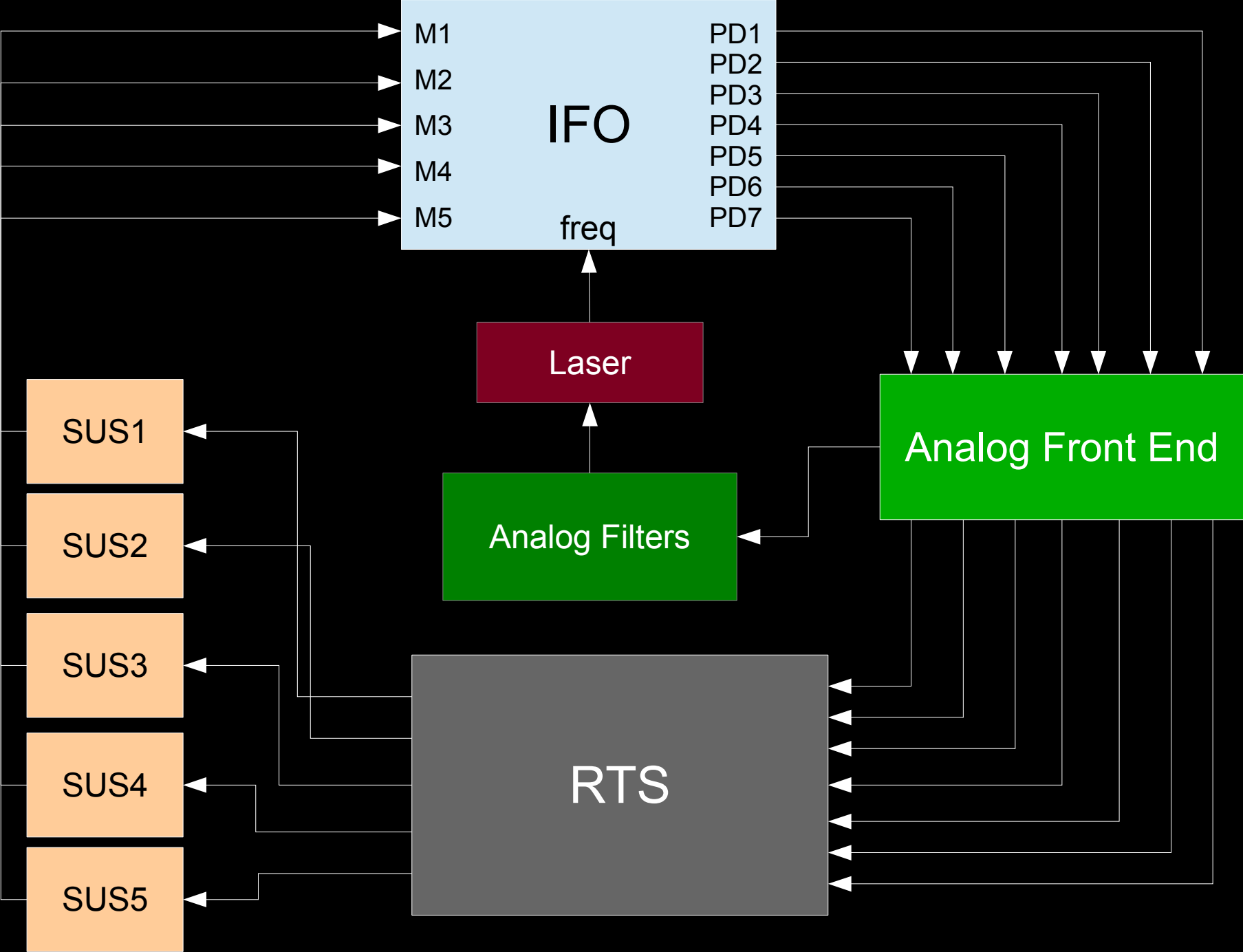
Vacuum Enclosure

300K JPY per Unit (LIGO Style)

High Speed Servo

- Reference Cavity Lock
- Mode Cleaner Lock
- CARM feedback

Servo Modeling (CLAVE)



Optical Layout

- Output Mode Matching Telescope
- Output Faraday
- Output Mode Cleaner
- Detection Ports

