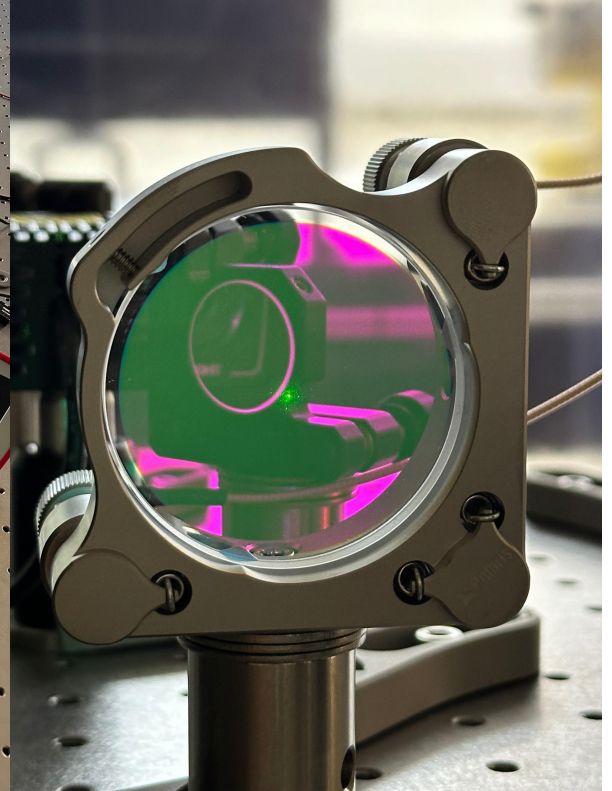
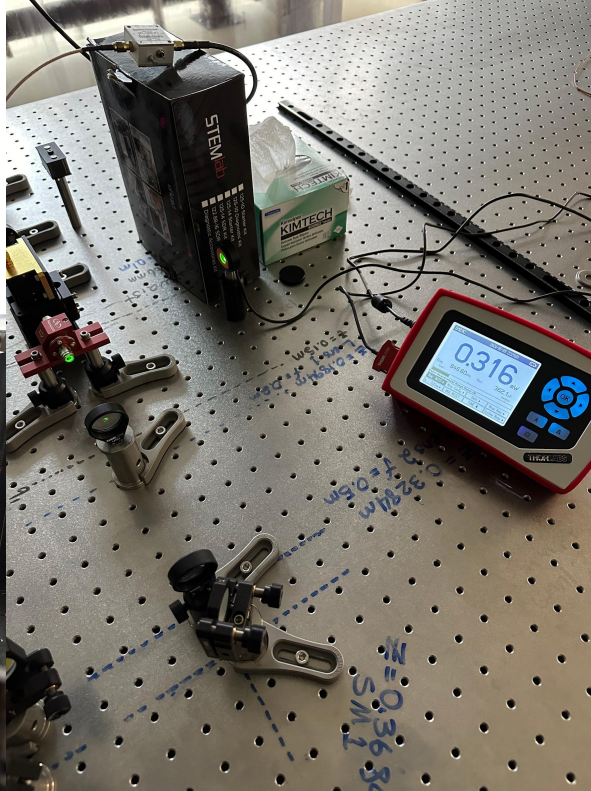
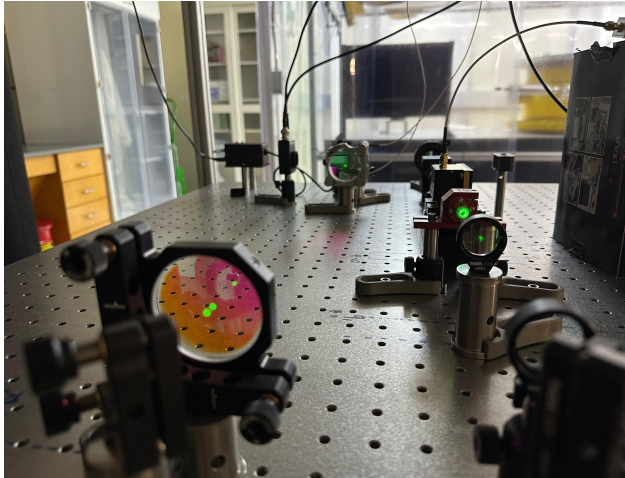


Visible-Light-Cavity Update

Peter Carney

Commissioning

- Aligned starting from PDA to ITM
- Max power on PDA and coming out of FI



FSR Scan. No sweep in PZT

- Most of the time it's flat signal
- Occasionally, there are random peaks
- Hypothesis: Random frequency fluctuations causing random resonance + small frequency overlap
- ~ 2 mV (which is right where noise floor is)



FSR Scan. Slow sweep in PZT

- Sweeping at 1 Hz. +/- 0.1V on Red Pitaya.
0.1V on Power supply to PDU.
- More consistent peaks.
- Need to calculate total distance being swept + expected FSR

