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Type: **Poster**

Building a Fabry–Pérot cavity with optomechanical membrane

Friday, 25 March 2022 16:05 (1h 40m)

My research on cavity opto-mechanics includes measurements on the transmission and scattering loss of the photonic crystal membrane. The method we took was to build a cavity using a concave mirror as the input window of the cavity. By measuring the finesse, transmission and reflection at resonance, we will be able to squeeze some optical information about our membrane out of the cavity. During my presentation, I will try different models to explain what I measured in experiments.

Supervisor

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Field of study

Quantum Physics

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