



Contribution ID: 635

Type: **Talk (preferred)**

Coupled Photonic Resonators for High-Performance Optomechanical Sensors

Thursday, 15 December 2022 16:30 (15 minutes)

We present the use of non-degenerate coupled photonic cavities in order to suppress the contribution of laser phase noise in optomechanical sensing systems. These coupled cavities demonstrate laser phase noise rejection whilst not significantly degrading the device's response.

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Session Classification: Precision and Quantum Sensing Workshop

Track Classification: PQS2022: PQS: Precision and Quantum Sensing Workshop