Cavities for light and sound: a cavity-enhanced platform for quantum acoustics

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Curriculum Vitae

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Education

2008-2013	Scientific high school
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List of publications

1. V. Fedoseev, **M. Fisicaro**, H. van der Meer, W. Löffler, and D. Bouwmeester, Realignment-free cryogenic macroscopic optical cavity coupled to an optical fiber, Review of Scientific Instruments 93, 013103 (2022).

2. **M. Fisicaro**, M. Witlox, H. van der Meer, and W. Löffler, Active stabilization of an open-access optical microcavity for low-noise operation in a standard closed-cycle cryostat, Review of Scientific Instruments 95, 033101 (2024).

3. **M. Fisicaro**, T. A. Steenbergen, Y. C. Doedes, K. Heeck, and W. Löffler, Imaging Transverse Modes in a GHz Surface Acoustic Wave Cavity, submitted, arXiv:2408.11630.

4. **M. Fisicaro**, Y. C. Doedes, T. A. Steenbergen, M. P. van Exter, and W. Löffler, Observation of the Talbot Effect from a Surface Acoustic Wave Dynamic Grating, submitted, arXiv:2409.11161.

5. **M. Fisicaro**, T. A. Steenbergen, Y. C. Doedes and W. Löffler, Investigation of spurious bulk acoustic waves in surface acoustic wave devices by acoustic fringe analysis, to be submitted.

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