

Agnetta Cleland

Ph.D. Student in Applied Physics, admitted Autumn 2017

Publications

PUBLICATIONS

- **Quantum state preparation and tomography of entangled mechanical resonators.** *Nature*
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- **Loss channels affecting lithium niobate phononic crystal resonators at cryogenic temperature** *APPLIED PHYSICS LETTERS*
Wollack, E., Cleland, A. Y., Arrangoiz-Arriola, P., McKenna, T. P., Gruenke, R. G., Patel, R. N., Jiang, W., Sarabalis, C. J., Safavi-Naeini, A. H.
2021; 118 (12)
- **S-band delay lines in suspended lithium niobate** *JOURNAL OF APPLIED PHYSICS*
Sarabalis, C. J., Dahmani, Y. D., Cleland, A. Y., Safavi-Naeini, A. H.
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- **Piezo-optomechanics in lithium niobate on silicon-on-insulator for microwave-to-optics transduction**
Van Laer, R., Jiang, W., Patel, R. N., Sarabalis, C. J., Cleland, A., McKenna, T. P., Wollack, E., Witmer, J. D., Safavi-Naeini, A. H., IEEE
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- **Mechanical Purcell filters for microwave quantum machines** *APPLIED PHYSICS LETTERS*
Cleland, A. Y., Pechal, M., Stas, P. C., Sarabalis, C. J., Wollack, E., Safavi-Naeini, A. H.
2019; 115 (26)
- **Microwave Quantum Acoustic Processor**
Arrangoiz-Arriola, P., Wollack, E., Pechal, M., Jiang, W., Wang, Z., McKenna, T. P., Witmer, J., Van Laer, R., Cleland, A., Lee, N., Sarabalis, C. J., Stas, P.,
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